

19990628.qrp v01_n502.qrl.990628

Date: Mon, 28 Jun 1999 19:03:40 EDT

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1502

QRP-L Digest 1502

Topics covered in this issue include:

- 1) [43629] 10 Meters
by vlantz@juno.com
- 2) [43630] RE: CQ FD
by Don Lefrancois <wb1cdh@cwix.com>
- 3) [43631] Source of parts
by Bob Liesenfeld <wb0poq@visi.com>
- 4) [43632] system crash: qrp-l saved folders lost - please help with DSW info
by n5ib@juno.com
- 5) [43633] Field Day with DSW40
by n5ib@juno.com
- 6) [43634] Re: Power line grounds
by Pete Burbank <plburbank@kih.net>
- 7) [43635] Commando FD 1999
by Richard Arland <k7sz@epix.net>
- 8) [43636] NQ7X Home Field Day
by "Floyd Smithberg" <flydnq7x@primenet.com>
- 9) [43637] Field day
by ac5ez@webtv.net (Larry B)
- 10) [43638] Field Day--Field Testing Antennas and Rigs.
by "Earl Andrews" <earlve3ab@igs.net>
- 11) [43639] More on inexpensive ADE-1 mixer
by Mike Czuhajewski <wa8mcq@erols.com>
- 12) [43640] Re: Field Day with DSW40
by Jay Freeman <jayFreem@direcpc.com>
- 13) [43641] Portable Bench Optical Scope 30X
by Sam Billingsley <SBillingsley@usaninc.com>
- 14) [43642] Re: 10 Meters
by "John Moriarity" <k6qq@hdo.net>
- 15) [43643] Re: More on inexpensive ADE-1 mixer
by "Gene Hall" <evhall@ix.netcom.com>
- 16) [43644] POWER MOD FOR SIERRA
by Barry J Minsky <w2bj@juno.com>
- 17) [43645] SET QRP-L mail suspend
by "Bruce Barley" <lbbbarley@feist.com>
- 18) [43646] Field Day at Lockheed Martin (in Fort Worth)
by "Steve Yates, AA5TB" <aa5tb@swbell.net>
- 19) [43647] Bark 1999 Field Day, the first run

- by "W. K. Hibbert" <wb2vuo@juno.com>
- 20) [43648] RE: MILLIWATT CD
by aweiss@usd.edu (Ade Weiss W0RSP)
- 21) [43649] W0RSP FD
by aweiss@usd.edu (Ade Weiss W0RSP)
- 22) [43650] LINKDOC
by "Jim Stafford, W4Q0" <w4qo@amsat.org>
- 23) [43651] PIC 16F84 - Faster and cheaper
by Lagier Gerard <Gerard.Lagier@cnes.fr>
- 24) [43652] C-21
by K4NK@aol.com
- 25) [43653] A&A Engineering
by K4NK@aol.com
- 26) [43654] Help on Building 10M Radio
by Bob Patten <n4bp@bc.seflin.org>
- 27) [43655] Tales of ol' 143
by Nils R Young <nilsbull@juno.com>
- 28) [43656] HW8-low output 80/40
by Jim Lyons <lyons@canada.com>
- 29) [43657] Re: LINKDOC
by wd8civ@worldnet.att.net
- 30) [43658] WM 20 help
by Jeff Gold <JGold@tntech.edu>
- 31) [43659] Dummy Load Night - Jun29 local time
by "Tom Moll" <tomm@xata.com>
- 32) [43660] Need parts layout for 40-40 board
by "Scott, Gary" <gary.scott@bellhowell.infolearning.com>
- 33) [43661] SPICE and The Noise Bridge (both, now working)
by John R Kirby <n3aaz-qrp@juno.com>
- 34) [43662] Re: Dummy Load Night - Jun29 local time
by dareid@Synopsys.COM
- 35) [43663] WTB: Drake 2AQ Speaker/Qmult for my tube QRP Station
by "Freeberg, Scott (STP)" <scott.freeberg@guidant.com>
- 36) [43664] A DDS signal generator
by Charlos.Potma@rivm.nl
- 37) [43665] [3830] Field Day Summary #1 (fwd)
by Bob Patten <n4bp@bc.seflin.org>
- 38) [43666] K2 arrives; FD99 tales
by Allan G Taylor <k7gt@arrl.net>
- 39) [43667] Re: More on inexpensive ADE-1 mixer
by Karl.Kanalz@optelinc.com
- 40) [43668] 99 FD OPS
by randy cornelison <randyc@tsixroads.com>
- 41) [43669] Field Day & Meteor Showers
by jaywa5whn@juno.com
- 42) [43670] Sierra output mod
by Roy <marion@montana.com>
- 43) [43671] Re: K2 arrives; FD99 tales

by Chris Cartwright Sr <ccart@phideaux.com>
44) [43672] WSN-40 net, Quick FD report.
by Ed Loranger <we6w@qsl.net>
45) [43673] RE: Dummy Load Night - Jun29 local time
by "Tom Moll" <tomm@xata.com>
46) [43674] Re: Fractal antennas?
by frussle@erols.com (Jake Brodsky)
47) [43675] HW-8 info
by "Mike Czuhajewski" <wa8mcq@erols.com>
48) [43676] Dummy Load Night
by "Tom Moll" <tomm@xata.com>
49) [43677] Re: 10 Meters
by "Carl Zmola" <zmola@campbellsci.com>
50) [43678] Water Bottle throwing
by PUNISHER3@aol.com
51) [43679] Re: CQ FD
by "Carl Zmola" <zmola@campbellsci.com>
52) [43680] Cape Beale Lightstation On The Air
by "Ivan Dubinsky" <ivandu@uniserve.com>
53) [43681] RE: Dummy Load Night - Jun29 local time
by Bob Patten <n4bp@bc.seflin.org>
54) [43682] WIRE SPOOL ANTENNA
by ARDUJENSKI@aol.com
55) [43683] Sunspots - WOW!!!
by Chris Cartwright Sr <ccart@phideaux.com>
56) [43684] RE: Dummy Load Night - Jun29 local time
by "Tom Moll" <tomm@xata.com>
57) [43685] RE: DUMMY LOAD NIGHT
by "Ed Tanton" <n4xy@att.net>
58) [43686] Field Day coverage by the San Jose Mercury news
by "Andreas Junge" <andreas@atltech.com>
59) [43687] DIY board etching...
by Mighty Mik <mitymik@hooked.net>
60) [43688] RE: Dummy Load Night - Jun29 local time
by Monte Stark <ku7y@dri.edu>
61) [43689] FS
by E L D <wd7y@pyramid.net>
62) [43690] K5FO Estate Sale
by "Chuck Adams K5FO" <adams@ticnet.com>
63) [43691] Loaded Dummy
by hamjoel@juno.com
64) [43692] DLN
by Larry Cahoon <wd3p@juno.com>
65) [43693] RE: Field Day coverage by the San Jose Mercury news
by "Alex Mendelsohn" <ai2q@ispchannel.com>
66) [43694] RE: DLN
by "Ed Tanton" <n4xy@att.net>
67) [43695] FW: DLN

- by "Ed Tanton" <n4xy@att.net>
- 68) [43696] Re: Dummy Load Night - Jun29 local time
by Goran Hosinsky <hosinsky@royac.iac.es>
- 69) [43697] RE: Dummy Load Night - Jun29 local time
by ac5ez@webtv.net (Larry B)
- 70) [43698] CQC's Field Day(s)
by "Marshall Emm" <mgemm@mtechnologies.com>
- 71) [43699] Re: K5FO Estate Sale
by wd8civ@att.net
- 72) [43700] Re: DIY board etching...
by wd8civ@att.net
- 73) [43701] 5BWAS/QRP
by Tom Palmer <n1tp@worldnet.att.net>
- 74) [43702] Re: Dummy Load Night - Jun29 local time
by "Randy Jouett" <rules@bellsouth.net>
- 75) [43703] QRP ARCI Archives?
by "Chuck Adams K5FO" <adams@ticnet.com>
- 76) [43704] Full Moon
by "Chuck Adams K5FO" <adams@ticnet.com>
- 77) [43705] FS SHURR PROFFI
by "The one and only!" <mitch96@pobox.com>
- 78) [43706] Dummy Load night
by "Steven Weber" <kd1jv@moose.ncia.net>
- 79) [43707] Re: POWER MOD FOR SIERRA
by "Frank G3YCC" <frank@g3ycc.karoo.co.uk>
- 80) [43708] Chuck, You're an "Elmer's Elmer"
by James P Rybak <jrybak@mesastate.edu>
- 81) [43709] Re: Dummy Load Night - Jun29 local time
by Larry Cahoon <wd3p@juno.com>

Date: Sun, 27 Jun 1999 18:05:56 -0500
From: vlantz@juno.com
To: qrp-l@Lehigh.EDU
Subject: [43629] 10 Meters
Message-ID: <19990627.180558.-70581.0.VLantz@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

When is a good time for 10 Meters to be dx active?

Vann Lantz, KF4QHJ, AL - VLantz@Juno.Com
QRP-L #1790, AR QRP #241
Ramsey QRP 1 Watt TX, Atlas 210-X RCVR, Long Wire
[Http://members.xoom.com/VLantz/home.htm](http://members.xoom.com/VLantz/home.htm)

"Make fun of life, because life sure is making fun of you!"

Date: Sun, 27 Jun 1999 19:10:00 -0400
From: Don Lefrancois <wb1cdh@cwix.com>
To: QRP-L <QRP-L@Lehigh.edu>
Subject: [43630] RE: CQ FD
Message-ID: <002c01bec0f2\$2f56f840\$f6443ea6@0302316260447626>
MIME-version: 1.0
Content-type: text/plain; charset="iso-8859-1"
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Didn't have much time to run FD but did get about 15 contacts. Mostly in NY PA and NJ. Just picked up the CQs. 40M was hot as a pistol. Strange part about it was that never had to send out my call twice. They heard me the first time I sent.

Don/K1NNP

=====

Amateur Radio---K 1 N N P
QRP-L #1778 NorCal #1518 NE #436
Jewett City, Ct. 06351

Date: Sun, 27 Jun 1999 17:52:34 -0500
From: Bob Liesenfeld <wb0poq@visi.com>
To: QRP-L reflector <qrp-l@lehigh.edu>
Subject: [43631] Source of parts
Message-ID: <3776AB32.752FBB08@visi.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi,

Anyone know a source for CA3123E or CA3088E ICs?

Tnx

--

Genuine E-mail From the Land of the Everlasting Icicle...
Bob Liesenfeld
wb0poq@visi.com

Date: Sun, 27 Jun 1999 20:00:48 EDT
From: n5ib@juno.com
To: qrp-1@Lehigh.edu
Subject: [43632] system crash: qrp-1 saved folders lost - please help with DSW info
Message-ID: <19990627.175255.8119.0.N5IB@juno.com>

interrupt request conflict led to sytem crash - led to loss of EVERYTHING

Amongst the most anguish was the loss of my qrp-1 mail folders with items on various topics :-(

I'll mostly hunt up the stuff from the archives, But ...

If you have posted a general note about the DSW40 or DSW20 to the list, or have responded to me directly about questions I posted (especially setting the BF0 offset) in the past week or ten days, I'd really appreciate it if you could re-send that message(s) if convenient, to me directly, as I have finsihed a -40 and am tweaking it, and am about to start on a -20

Thanks, and I remain, sadder but wiser
Jim N5IB

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Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

Date: Sun, 27 Jun 1999 20:00:48 EDT
From: n5ib@juno.com
To: qrp-1@Lehigh.edu
Subject: [43633] Field Day with DSW40
Message-ID: <19990627.175255.8119.1.N5IB@juno.com>

I was the designated "Natural Power" bonus baby for W5GIX, the Baton Rouge (LA) ARC.

With solar panel, gel cell, inverted vee up a stately oak, and brand new DSW40 I set out (with some apprehension) to demonstrate that QRP could get out of the rf forest of FD.

It took just 18 min starting about 6:45 am CDT Sunday to bag the needed 5 QSO's, and a few of those minutes involved 2m contact with the duping

computer operator about 250 yards away. It was also the baptism of my DSW40, it not yet having been "keyed in anger" as it were. AL, NNY, MI, IN, and CO were the trophies, and the guys were duly impressed that 2 W could get the job done..... If I'd had more confidence I would have made up a sign ahead of time:

WARNING! - QRP!
2000 MILLIWATTS

72
Jim N5IB he of the recent system crash

Get the Internet just the way you want it.
Free software, free e-mail, and free Internet access for a month!
Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

Date: Sun, 27 Jun 1999 20:04:33 -0400
From: Pete Burbank <plburbank@kih.net>
To: <qrp-l@Lehigh.EDU>
Subject: [43634] Re: Power line grounds
Message-ID: <3.0.32.19990627200429.006856b4@kih.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>
>I'd advise that you measure before connecting anything to
>a power plug!
>
>cul,
>
>73, Ron, SOWP 5545M,
>
>.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
>....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
>....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

I second that...unfortunately all electricians are not first rate. N4ALG and I measured over 40 Amps in a hospital ground. A safer option for motel/hotel setups would be a piece of braid with a battery clip to connect to the cold water pipe under the bathroom sink.
73 Pete NV4V vvvvvvvvvvv

Date: Sun, 27 Jun 1999 20:09:44 -0400
From: Richard Arland <k7sz@epix.net>
To: qrp-1@lehigh.edu
Subject: [43635] Commando FD 1999
Message-ID: <3776BD48.B73A9D3C@epix.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Well, gang, the Commandos were at reduced strength this year. The Wilkes University ARC (newly formed in the spring) decided to do a FD effort and we (Fran, KA3WTF, Dave, N3PBV, and I) lent our talents to them for this first time outing.

We set up a 2A-Battery station (one CW station, one Phone station and a Novice/Tech station) beside the Stark Learning Center on River Street, in DOWNTOWN Wilkes-Barre. We had enough room for a Carolina Windom 160 and a Carolina Windom 80 meter antenna system. We did not use the big Radio Works Superloop this year.

There were the three of us who worked the entire FD event. Two others came by to guest operate for a while. Tony Kiessling, WB2LPC, one of the chem professors at Wilkes did some real "night watch" stuff with Fran and I. It had been almost 10 years since Tony had gotten out of ham radio, and this FD event rekindled his interest. Now he wants a Sierra! (HEY! QRP Bob, are you listening?)

In all we got almost 700 Qs, between the 3 stations, and one of the new licensees managed to get his feet wet contesting!

The CW station was a Sierra and the phone station was an Argosy-II. Both Fran and I were using the LDG QRP Autotuners....this was a real learning experience. While the LDG Autotuners are great for single station use either at home or on the road (I have used mine many times traveling) they are NOT designed for a multistation installation where two or more transmitters are going to be on the air simultaneously. Every time Fran would key the CW rig, my LDG tuner would start autotuning, and vice versa. Once I replace my LDG with a MFJ QRP tuner/wattmeter unit, the annoying problem of the tuner taking off by itself was cured AND I got rid of a lot of interstation QRM.

We scored a MAJOR media coup. Both newspapers showed up with photographers. The Times-Leader reporter spent over an hour with us talking about ham radio, Wilkes-U ARC, QRP, and emergency communications. I can hardly wait to read the article. If he uses 1/10 of what we provided him, ham radio will receive some very nice and

justly deserved publicity.

While the Commandos were small in number this year, we did make a dent in the competition. We will not make our score from last year, but we had almost 4 times the people last year! That does make a difference.

Most importantly, we had fun, got some folks some operating time that had never done a FD event before, and got some GREAT media coverage.

365 days to go till next FD!

73 Rich K7SZ

Date: Sun, 27 Jun 1999 17:36:32 -0700
From: "Floyd Smithberg" <flydnq7x@primenet.com>
To: "QRP-L message" <qrp-l@Lehigh.edu>
Subject: [43636] NQ7X Home Field Day
Message-ID: <008201bec0fe\$58143ca0\$573184ce@primenet.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Home bound, but got on intermittantly in 1D CW class...so no multipliers.
All at
5 Watts and the first 30 Qs on 20 and 15 into my 40M vertical...geesh,
forgot
to switch to the beam. Any way, ended up with 137 Qs, 64 sections and 46
states in less than 8 hours....mostly S&P.
Equipment: TS 850 @ 5W,...3 el triband w/40M ext.....Log-TR 6.41...never
touched a pen or paper.
Score: measly 512 pts

Date: Sun, 27 Jun 1999 19:45:47 -0500 (CDT)
From: ac5ez@webtv.net (Larry B)
To: qrp-l@Lehigh.EDU
Subject: [43637] Field day
Message-ID: <8966-3776C5BB-10100@postoffice-112.iap.bryant.webtv.net>
Content-Disposition: Inline
Content-Type: Text/Plain; Charset=US-ASCII
Content-Transfer-Encoding: 7Bit

MIME-Version: 1.0 (WebTV)
Content-Transfer-Encoding: 7Bit

Not much time for field day this year but managed to work about 20 on
40m and 20m with the mfj 9040 and 9020, battery power to a dipole tuned
with a 1968 heathkit 2060A tuner. Too hot for an old man to be outside.
k1zw

Date: Sun, 27 Jun 1999 21:03:27 -0700
From: "Earl Andrews" <earlve3ab@igs.net>
To: <qrp-l@Lehigh.edu>
Subject: [43638] Field Day--Field Testing Antennas and Rigs.
Message-ID: <199906280101.VAA06134@host.ott.igs.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

My Field Day was a bit different this year...mostly it was trying out
equipment and
ants..ie my R5 has a problem...poor SWR readings everywhere 1.5 to 35 mhz (
nothing below 3.5 to 1 SWR)...I took the top trap section off and still the
same so...
must be a bad connection(s)..so ill have to fix that..but made a few
contacts on it
with qrp and a tuner. My mfj memory message keyer was giving out some
RFI...I
suspect because it was running off the same battery and close proximatey!
The
RFI sounded like an fm carrier of sorts...BUT HEY GUYS...This is what FD is
all about!
A keyer can work fine on the bench by itself but in the field under actual
operating
conditions it may not work..and you may have to switch to a straight key!!!
I had only
about 10 contacts but the exercise was good and next year you can bet that
damb
R5 will be up to snuff! 73 Earl

Date: Sun, 27 Jun 1999 21:52:17 -0400
From: Mike Czuhajewski <wa8mcq@erols.com>
To: QRP forum <qrp-l@lehigh.edu>
Cc: nn7ck@arrl.net

Subject: [43639] More on inexpensive ADE-1 mixer
Message-ID: <3776D551.2AFE@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

NN7CK mentioned that he couldn't find it on the MiniCircuits web site, so I looked around and finally found that they do have a spec sheet on it. (I've seen it advertised in the electronics trade journals that carry MCL ads for a few months now.)

Go to the MCL web page at www.minicircuits.com, then click on "what's new", then "new products", then "frequency mixer" (not "microwave mixer" or "image reject mixer"), scan down the list to find the heading for Level 7, and it's at the top of that section. (It's an Adobe PDF file, for which you'll need the Adobe reader, which can be downloaded free from the Adobe site.)

The page lists the price at \$1.99 for quantities of 1-99, while their magazine ads say quantity of 10-49 for that price.

The data page from their web site has "Advance copy" and "check stock availability" overprinted in gray. When I first downloaded the sheet for the ADE-2ASK many months ago it also had that, and when I ordered some I was told I'd have to wait a month to get them (a promise they delivered on). I haven't looked into availability on the ADE-1, but it might be a while before you can get them from stock since it's a new model and there may be high demand right now. But at this price, I'd expect to see this new model appearing in a lot of QRP designs shortly.

--

73 and Queue Our Pea de WA8MCQ wa8mcq@erols.com

Date: Sun, 27 Jun 1999 20:52:15 -0500
From: Jay Freeman <jayFreem@direcpc.com>
To: n5ib@juno.com, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [43640] Re: Field Day with DSW40
Message-ID: <3776D54E.7E44FE7F@direcpc.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Howdy,

I gave mine the trial by fire, too. It performed very well. I was the only

QRP op, and the only cw op at our club's FD. I was able to work 107 QSO's with it. The only other transmitter that really interfered with it was the 75m phone setup (FT-1000 going full bore), it's antenna was a bit close to mine. My W9GR DSP 3 kit was a big help in making a lot of those QSO's, too, especially after dark when things really got hopping on 40m. I switched back and forth between a sloper up about 35 feet, and a ground mounted trap vertical (not sure what make). It was my first Field Day in years, and I had a blast! Maybe next year I can convince the rest of the club to go QRP, and maybe pigs will fly, who knows? :)

72/3,

Jay

--

```
*-----*
* Jay Freeman - WT9S                ARRL *
* G-QRP 10319 QRP-ARCI 9981 ARS 562   *
* SASS #18700                      NRA Life *
*-----*
```

Date: Sun, 27 Jun 1999 21:58:36 -0400
From: Sam Billingsley <SBillingsley@usaninc.com>
To: "Qrp1_Submit (E-mail)" <qrp-1@Lehigh.EDU>
Subject: [43641] Portable Bench Optical Scope 30X
Message-ID: <21E06269B00ED111BE9B00805F6D0FA398068C@MAILSERVER1>
MIME-Version: 1.0
Content-Type: text/plain

Recently I was building a DDS VFO using a FAR circuit board and the the AD9850 DDS chip and the PIC 16F84. The software was obtained from the NJ-QRP web page the HAM-PIC section. Curtis Preuss WB2V originally developed the code to be a straight forward signal-generator and a few months later Bruce AA0ED and Craig AA0ZZ modified and cleaned up the code. I had taken the code and added RIT and TX Offset capability for using it as an LO for a HB xcvr.

Well during my bench checkout I made the mistake of reversing the 5v and smoked the DDS chip. The PIC seems unhurt. So I had to remove the DDS chip and replace it. Luckily I have a friend that has access to real LAB stuff including a very expensive bench microscope designed to allow very close board repair. He did this job for me and got me thinking that I needed something to "see" the traces in the future. My bench magnifier was OK for regular DIP chip and OK for most SM but the very tiny traces of the SS0IC

were too small to see.

I was just looking around a kid's section of a department store and came across a neat cheap toy scope for kids to use for examining stuff like bugs, rocks, hair, coins, and other very small stuff.

It's plastic single eyepiece with built-in penlight (1AA). It had a little plastic holster some you can carry it on your belt (HiHI) and the real unique thing is the focusing. The end where the viewed object is has a rounded pointed section that you simply let rest on the surface adjacent to the viewed point to focus you simply leave the scope resting on the surface and tilt it slightly back and forth to find the correct focus. The internal light has a switch.

The good new is the regular price was around \$12 but mine with discounted to \$5. I snapped the only one up.

I don't know where you can get them now but the info on the package was: GEOSCOPE 30X (Portable Indoor/Outdoor Lighted Microscope & Holster Set) "Super Science" series. Uncle Milton Industries, Westlake, CA 91362. BAR CODE 42499 00945. I don't have any connection with them but find that the optics are good enough for me (with my bad eyes) to see the individual leads from the DDS chip easily.

Sam Billingsley AE4GX Atlanta (Buckhead), GA
<http://ae4gx.home.mindspring.com/>

Date: Sun, 27 Jun 1999 19:05:46 -0700
From: "John Moriarity" <k6qq@hdo.net>
To: <vlantz@juno.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [43642] Re: 10 Meters
Message-ID: <003801bec10a\$bcedfe20\$0d424cd1@k6qq>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

> When is a good time for 10 Meters to be dx active?
>

> Vann Lantz, KF4QHJ, AL - VLantz@Juno.Com

Generally speaking, daylight hours. The band is usually open to the east of you in the morning, gradually shifting to the west in the afternoon. Europe in the A.M., Australia as the band dies, South America in between.

GL es 72,

John, K6QQ

Date: Sun, 27 Jun 1999 22:37:43 -0400
From: "Gene Hall" <evhall@ix.netcom.com>
To: "Mike Czuhajewski" <wa8mcq@erols.com>, "QRP forum" <qrp-1@lehigh.edu>
Cc: <nn7ck@arrl.net>
Subject: [43643] Re: More on inexpensive ADE-1 mixer
Message-ID: <019d01bec10f\$46f84ae0\$12a9dccf@#evhall>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I looked at the ADE-1 page again and this time I indeed saw the \$1.99 price. On another of the website pages they list a \$100 minimum order which is a lot of ADE-1s.

I'm going to check with them tomorrow and see if it is a hard minimum.

Assuming it is, is there any interest in a group buy? Not limiting it to the ADE-1, but anything on their web page. Lets call this a preliminary survey...If you are interested let me know what and the quantity you want. I'll compile the list and see how we do. If there is enough interest I'll put out a call for hard orders.

By the way under the promotions section they are offering the MAR-1 amplifier for 69 cents each.

I'll also check on the availability of ADE-1 in case it is not yet in production.

73 ... Gene ... NN7CK

Date: Sun, 27 Jun 1999 22:52:04 -0400
From: Barry J Minsky <w2bj@juno.com>
To: qrp-l@lehigh.edu
Subject: [43644] POWER MOD FOR SIERRA
Message-ID: <19990627.225205.-334771.2.w2bj@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Someone posted a comment about an "output transistor and choke to transformer" mod for the Sierra. If anyone has information about that mod, please let me know. Thanks.

72/73,

Barry J. Minsky, W2BJ
ARRL, QRP ARCI #8871, NorCal #1560, QRP-L #1543, FISTS #2701, Century Club #569, Platinum #51, FISTS CW Club of Coastal Georgia, Knightlites, Adventure Radio Society #359,
Six Club #151, QCWA #29298, OOTC #3723
Amateur Radio Missionary Service

Date: Sun, 27 Jun 1999 22:02:22 -0000
From: "Bruce Barley" <lbbbarley@feist.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [43645] SET QRP-L mail suspend
Message-ID: <01bec0e8\$bbc8d780\$7807f7c6@lbbbarley>
MIME-Version: 1.0
Content-Type: text/plain;
charset="x-user-defined"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

MAIL set to SUSPEND for user lbbbarley@feist.com

Date: Sun, 27 Jun 1999 22:05:54 -0500
From: "Steve Yates, AA5TB" <aa5tb@swbell.net>

To: "QRP-L Distribute" <qrp-l@Lehigh.EDU>
Subject: [43646] Field Day at Lockheed Martin (in Fort Worth)
Message-ID: <002501bec113\$24006e60\$bf37a497@aa5tb>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Once again I had not been able to convince the majorities at the Lockheed Martin Recreation Association Radio Club's Field Day operation to forgo the - monobander/tower installation in Texas heat for each band - tradition again this year but I was "allowed" to set up my QRP rig as the 20m CW station. Of course we couldn't use the extra multiplier for QRP since only one station was QRP but many folks were impressed by the performance of a QRP station. When the generators failed I just switched to battery and kept on working. My power output was 5W and my antenna was an end-fed halfwave vertical suspended in a 70' pecan tree. The base of the antenna was on the ground. Several of the newer hams were very interested in my down to earth approach to Field Day and got themselves involved in the antenna setup and tuning.

I made 216 contacts on 20m CW with 10 of those being solar power. I think most of the members thought I would waste time using QRP to struggle to make 5. I could have doubled the number of contacts if I didn't spend half of my time discussing antennas, QRP, and exotic propagation with interested passerby's:-) The loss of operating time was well worth getting the QRP bug to bite people and a welcome break. We may even have some new converts.

I was in the same tent as the novice station that at first was having problems getting out but the Novices were inspired to build themselves a dipole after watching me hang wires from the tree. It was a learning good experience for them.

DX included Germany, Alaska, and Hawaii. The antenna performed flawlessly and I could generally work everyone I could hear. The end-fed halfwave antenna is my favorite portable antenna but I seldom get to try it out suspended totally vertical.

The 20m SSB station was about 100 yards away with high power and a horizontal monoband yagi. I never heard a peep out of them or any of the other stations. The cross polarization and the selectivity of my tank circuit at the end of the antenna seemed to do the trick.

Overall I had a very enjoyable time and may have moved the club one step closer to a QRP only event. With a QRP only Field Day and good operators I'm convinced our total score would actually improve after taking the QRP multiplier into account.

By the way...

If you worked W5IU on 20m CW then you had worked me and my QRP station.

In years past I would setup 1B and operate a QRP station but it is of course much more enjoyable in the club atmosphere.

73,

Steve Yates - AA5TB

Fort Worth, TX - EM12gs

<http://home.swbell.net/aa5tb>

Date: Sun, 27 Jun 1999 23:05:16 -0400

From: "W. K. Hibbert" <wb2vuo@juno.com>

To: k2db@contesting.com, k2dv@rochester.rr.com, cg091@freenet.buffalo.edu,
bobkowa@netacc.net, cwell@juno.com, kb2uv@hotmai.com, wcjarvis@frontiernet.net,
duanekf2jc@aol.com, kf2xc@rochester.rr.com, john_krieg@mlsonline.com,
jhinckel@eznet.net, djw@dos.nortel.com, n2tlx@juno.com, n2tuk@frontiernet.net,

Cc: qrp-1@lehigh.edu

Subject: [43647] Bark 1999 Field Day, the first run

Message-ID: <19990627.230517.-165863.0.wb2vuo@juno.com>

MIME-Version: 1.0

Content-Type: text/plain

Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

I got the logs entered into the computer, and the Brockport Amateur Radio Klub made 320 QSO's on 80 - 2 meters, 473 QSO-Points, so the CW/Phone breakdown is 153/167 QSO's. For a Klub that is mostly made up of non-CW ops, this is a GREAT ratio!

I was sorry to see that our Novice/Tech station did not materialize, but seeing that Andrew had a chance to go to Six-Flags/Darian Lake and check out the new "Superman" steel coaster, I can understand his no-show

This was the Klub's Yaesu Field Day, with one Oak Hills transceiver (an OHR-100A on 20) and all Yaesu on the other bands. The venerable FT-301S was our 80/75 Meter rig, the FT-840 ran 40 & 15, the FT-847 was outstanding on 10 and the FT-736 made 6 & 2 really play! Thanks to KG2NI, KG2BW WB2VUO and KF2JC for the gear this year.

Antennae ran from dipoles on 80/40/15/10 Meters to a vertical loop on 20 and yagis on 6 & 2.

About 3K-points in the first run-thru. I hae not put the bonus point together yet.

A fun year! Now what's FD'2000 going to bring!

72/73, Keith, WB2VU0, 100% QRP from the Depths of the Great Bergen Swamp
My night light runs more power than my Rig!!!

Get free e-mail you don't need Web access to use --
Or get full, reliable Internet access from Juno Web!
Download your free software today: <http://dl.www.juno.com/dynoget/tagh>.

Date: Sun, 27 Jun 1999 22:49:38 -0500 (CDT)
From: aweiss@usd.edu (Ade Weiss W0RSP)
To: qrp-l@lehigh.edu
Subject: [43648] RE: MILLIWATT CD
Message-ID: <199906280349.WAA08432@sunburst.usd.edu>

Hi gang:

Yes, THE MILLIWATT CD is legit. Tom produced the CD with my permission.

A project was underway to produce a searchable e-text version to put on the CD along with the .pdf file. Unfortunately, I nosed into that project with good intentions and we haven't gotten it back on track. Doug Hendricks had lined up a group of QRP'rs willing to keyboard the whole series of MILLIWATTS. I offered to do xeroxes of the original printer's copies of the issues, and then Tom would scan them in and convert to e-text. However, the little block-type sections just would not scan, even from the originals, so that conversion could be done. Then we both got sidetracked.

72, Ade

Date: Sun, 27 Jun 1999 23:14:15 -0500 (CDT)
From: aweiss@usd.edu (Ade Weiss W0RSP)
To: qrp-l@lehigh.edu
Subject: [43649] W0RSP FD
Message-ID: <199906280414.XAA11621@sunburst.usd.edu>

Hi gang:

Not much of an effort. I went up to Mpls to see my son an grand daughter, so FD took a back seat. I was rewarded mightily!

Here's the dope. On the way back, stopped at a new AmericInn in Belle Plaine MN. Only one room left -- with jacuzzi, on 2nd floor (not high) but some stands of trees.

We went to the restuarant next door and I noticed that the light was going. So, aftr we ordered, I hustled back to start putting up an antenna. Walked out the door at 2113, a way to the car, up to the room, removed the screen, tossed out my trusty Radio Shack spool of a 100ft of #20 stranded, grabbed the 30-lb monofil and sinker, hustled over to the first tree, picked my branch, heaved over on the first short (I mean, like who misses a 20-ft up branch?), connected the wire (almost dark now), and pulled it up to what I thought was a good strain tension. Back up to the room, wrapped a dry washcloth around the wire, slammed the window tight on it, and presto -- installed.

I walked back into the feedtrough at 2129! Of all my attempts at puttnng up motel antennas, this was the record! The food came a couple of minutes after I returned. Wht I didn't know because I'd lost the daylight, was that my interpretation of the strain vs. sag was wrong. The middle of the 100-ft of wire as about 12 ft up. the end were about 20' up. Of course, when you don't know that, you operate as if it is all at 1000ft. at any rate, 20m was fb. I ended up with 48 QSO's before nodding off. Tried 15m for a while in the morning for 27 QSO, then back to 20 for another 13 before packing it in. So, 88 QSO's with this charmed 100-ft piece of wire and the ZM-2. Only problem was the QRP+ AGC overload.

As usual, it seemed far too easy with 5 watts. The highlight was W8/G4BUE -- in the mess and the QRP+ AGC mess, I only heard G4BUE the first time and was impressed that Chris was working the US FD! Then I caught the W8/ the second time he signed! At any rate, that's the second time I'bve bumped into Chris in two years. Last year ('98) I walked back to my car and was aware of something rather familiar about the build and balding pattern of a guy just up ahead. Sure enough, it turned out to the G4BUE!

I hope all had a great time on FD! CAn anyone beat my antenna-erection effort -- remember, you have to do the antenna part and come back to a waitress just delivering your dinner!

72, Ade

Date: Mon, 28 Jun 1999 00:44:32 -0400

From: "Jim Stafford, W4Q0" <w4qo@amsat.org>
To: QRP-L <qrp-l@lehigh.edu>
Subject: [43650] LINKDOC
Message-ID: <3776FDAF.F2DBF3F@amsat.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Gang,

I will use Preston's recent post below to make a case for a new method (well, not really new but maybe a novel approach) for getting pix/schematics out to all and save bandwidth on the list in the process. Some of us in the NoGaQRP group have been doing it and we call it a LINKDOC.

In short, it is text or scanned photos/sketches that we upload to our web site for others to view. Benefit: It saves a lot of bandwidth and can save download time. It has a lot of advantages and as usual some disadvantages, but here is how it works:

1. Write up your long attachments or documents and save them to a text file OR sketch out something on a pad and scan it into your PC.
2. Save the text file or in the case of a sketch, CROP it and save it as a GIF or JPG file. Try to get it as small as possible while still usable. We have found 30K files do fine for most schematics or diagrams.
3. Now upload as an html or JPG or GIF graphic to your web site. Don't have a web site? You can get one free from <http://www.qsl.net> If you don't know how to do this and you have a web site, contact me.

Here is the cool part - you do not have to have a link or button on your site to the pix/text (so it can be kind of private) - you just have to announce the link (the LINKDOC) to the folks you really want to see it. This could be the entire list here or to only a close friend. Yes, it is possible for someone to sneak in and see your page but unlikely, so don't put your bank account numbers on it!

Some of the other advantages are: it is around many times longer than email (yes, I know that we have archives on QRP-L), it is a whale of a lot easier than ascii drawings, and it can make messages a lot shorter (saves B/W). Disadvantage: the info itself is not archived in the case of this list and it could take a few minutes longer to build the page(but not always).

You have no obligation to leave the info up for any particular period of

time so we don't recommend putting a pointer to someone else's LINKDOC on your web site.

In this example, when Preston gets things worked out, he could put up a LINKDOC of the pix of the 2n2/40 #4 for example. Here is a real live LINKDOC in action:

<http://www.mindspring.com/~ae4gx/tip1.htm>

NOTE: You put the full http: info in here so folks can just click away.

Recently, Chuck sent the following message:

Subject: http info

Date: Sat, 19 Jun 1999 01:26:40 -0500

From: "Chuck Adams K5FO" <adams@ticnet.com>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

<http://www.qsl.net/k5fo/elm300.htm>

Chuck Adams K5FO

See that was a LINKDOC - Nothing there but a link! Short, no wasted BW, and if you are interested you just click! (The title could have been a bit more descriptive. :)

Another example of some stuff we have been exchanging:

<http://www.america.net/~w4qo/tr2ab.jpg>

I just needed to get across a point - sketched, scanned, cropped, saved as a .jpg, uploaded to my web site and sent a message to a friend saying: "Look here: <http://..>"

What do you think?

I guess in retrospect I should have made this a LINKDOC, it got rather long! It doesn't take a vote or anything, just start using it to show folks your sketches or to put a longer doc up for folks to see. I see so many trying to do ascii sketches and then my mail prog botches it up, so thought I would share this.

PDouglas12@aol.com wrote:

> Gang,
>
> Tedd Wong, AB6CO, has completed his 2N2/40 and made a contact with it. He
> has submitted a photo, and the call of the station worked, along with a SASE,
> and his certificate (#4) is on the way to him. Congrats Tedd, and nice work.
> I did take the time to scan in his photo, so if I get his permission, and if
> any of our web masters wants to put it up, I will be glad to send it
> digitally. Now there are at least four 2N2s extant and on the air. Keep
> going guys. For more info on the 2N2, see the Norcal page at
> <http://www.fix.net/norcal.html> for links to 2N2 sites.
>
> 72,
>
> Preston WJ2V

--

Jim Stafford, W4QO 770-993-9500 VP - QRPARCI #6515
+++The THRILL is back - QRP - what ham radio is all about!
+++<http://www.qrparci.org>

Date: Mon, 28 Jun 1999 11:00:31 +0200
From: Lagier Gerard <Gerard.Lagier@cnes.fr>
To: "'QRP-L'" <grp-l@lehigh.edu>
Subject: [43651] PIC 16F84 - Faster and cheaper
Message-ID: <7E010CD07C1BD311AB9000805FCCF62E068C2C@thebes.cst.cnes.fr>
MIME-Version: 1.0
Content-Type: text/plain

Hi Gang,

May be some of you have tried this experience already....

I was looking how I can accelerated the software of my PIC 16F84 and I
choose to rise the clock frequency.

The PIC is normally using a 4 MHz XTAL as a clock oscillator and I tried to
replace it with a 6.5 MHz... It works very well.

So, having a couple of unused Xtal, I tried several different frequencies:
8, 10.5, 12 and finally a third overtone 48 MHz Xtal which gave a 16 MHz
clock to the PIC.

ALL THESE XTAL WORK VERY WELL !!!!

I was unable to see a difference in the overall software functions, excepted the speed, which was 4 times faster.....

Does anybody played this game ?? What about your upper limit ???

Have a look to your junk box of stones...

Best 73

Gerard,

F6EHJ

Toulouse (FRANCE)

Date: Mon, 28 Jun 1999 06:14:03 EDT
From: K4NK@aol.com
To: qrp-l@lehigh.edu
Subject: [43652] C-21
Message-ID: <a28dde12.24a8a4eb@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Many thanks to all those who sent me mail concerning my Ten Tec C-21. It goes to show what a wealth of information there is on this list. Thanks Again.

72 Les K4NK

Date: Mon, 28 Jun 1999 06:19:05 EDT
From: K4NK@aol.com
To: qrp-l@lehigh.edu
Subject: [43653] A&A Engineering
Message-ID: <8e973b1a.24a8a619@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Just a few good words for A&A engineering. I purchased a battery charger kit from them many months ago,,and like most put it away . When I decided to build it 2 months later I was missing the PC board from the kit. A phone call

not only brought me a new board , but they were wonderful to deal with.
I have no affiliation with them just a happy customer.

72 Les K4NK

Date: Mon, 28 Jun 1999 07:04:47 -0400 (EDT)
From: Bob Patten <n4bp@bc.seflin.org>
To: Arif Budiman E35 <MAMAN@elka.ee.its-sby.edu>
Cc: QRP-L Reflector <qrp-l@lehigh.edu>
Subject: [43654] Help on Building 10M Radio
Message-ID: <Pine.3.89.9906280651.F15918-01000000@bc.seflin.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sat, 26 Jun 1999, Arif Budiman E35 wrote:

>
> i'm a beginner
> i want to build my own 10m radio..
> would you help me?
>

I'm not much of a builder, Arif, and that is a pretty broad question.
A couple of suggestions.. Many of the cheap CB radios on the market are
easily converted to 10 Meters. Also, there are several easy to build
kits on the market at very reasonable prices. Building a 10 Meter radio
from scratch could be a tough project for a beginner.
The group on QRP-L has always been very helpful to beginners and maybe
some of them could give you more specific suggestions. I will CC this to
the group and I'll bet you will be swamped with mail!

73,

Bob Patten, N4BP , ' ' ' , (0 0) Plantation, FL

-----o00o-(_)-o00-----

E-Mail: n4bp@bc.seflin.org
Web Page: <http://wg104a.wh.uni-stuttgart.de/~n4bp>
Brass Pounder BBS: (954) 472-7715

Date: Mon, 28 Jun 1999 05:09:32 -0400
From: Nils R Young <nilsbull@juno.com>
To: QRP-L@lehigh.edu
Subject: [43655] Tales of ol' 143
Message-ID: <19990628.050939.16350.0.nilsbull@juno.com>

Gang,

Well, despite all attempts to completely bugger up building a K2, I managed to get a working transceiver with which I had a short QSO yesterday with W4JFA in Va. Vertical antenna, power out around 4 watts.

So that's my problem so far: low output (which I'm working on, and during working on I almost melted the PA Qs (and burned my hand in the process). I've also mangled 80m, which receives but not kick-butt, like the rest of the radio. The VCO works (surprise to this ol' VFO-days dummy who never quite did get the total picture on how VCOs work in the third place) & I can tune around the bands. Filters work, BFO shifting works, all the stuff.

Now to figure out which part I misinstalled or put in the wrong place (along with countless cold slobber joints & diodes in backwards, among other stupid gringo tricks).

This is a sweet little radio. I hope that I can get all the little problems squared so it can be sabrosita tambien.

!Hasta el tope! (which does not mean "Pass me the toupee.")

73

Nils

P.S.: Did I mention that Wayne & Eric have been very, very patient with me and my manic/depressive, blind-eyed, stumble-bumb, hardware-losing atypical non-cognitive behaviors? Well, they have. I just hope that I don't turn them into patients.

Nils R. Bull Young :: La Estancia de los Guajolotes Sonrientes
WB8IJN &c :: The Tagalong Press :: email to nilsbull@juno.com
"In my day we had to FIGHT to have email! Every day was a struggle!"
-- Comrade Sergei Nikolaievich

McTovarishov

Get the Internet just the way you want it.
Free software, free e-mail, and free Internet access for a month!
Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

Date: Mon, 28 Jun 1999 08:08:41 -0400
From: Jim Lyons <lyons@canada.com>
To: qrp-l@lehigh.edu
Subject: [43656] HW8-low output 80/40

Message-ID: <3.0.5.32.19990628080841.00889100@pop.hip.cam.org>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I'm trying to fix an HW8 for a friend. It displays the classic symptom of flaky output torroid cores on 80 and 40 metres. RF out on those bands is about 500 mW. By rewinding the 40 metre torroids to 7 microhenries using T-68-2 iron cores I can get 3 watts (which is what the unmodified set gives on 20). To fit the larger cores I had to wire one on the underside of the board ... not a permanent solution. New FT-37-63 cores with the original number of turns seem to give too high an inductance (if I can believe my measurements) and don't improve the output. Reducing the number of turns to get the correct inductance gives 1.5 watts output.

On 80 I removed the smaller core but as far as I can tell it isn't quite the same material as the 40 metre cores though it's appearance is similar. It has approximately the same number of turns but a much lower inductance ... lower than Heath's value in the manual.

Does anyone have the "correct" number of turns for the 80 and 40 metre coils (I know it can vary with the particular core)? What output should I expect to get from an HW8? Any helpful suggestions whatever? I've read Mike Czuhajewski's writing's on the subject.

Thanks.

Jim Lyons, VE2KN
Montreal

Date: Mon, 28 Jun 1999 13:12:34 +0000
From: wd8civ@worldnet.att.net
To: qrp-l@lehigh.edu (QRP-L Mailing List)
Subject: [43657] Re: LINKDOC
Message-ID: <19990628131248.OMT973@webmail.worldnet.att.net>

> I will use Preston's recent post below to make a case for a new method (well,
> not really new but maybe a novel approach) for getting pix/schematics
> out to all and save bandwidth on the list in the process. Some of us in
> the NoGaQRP group have been doing it and we call it a LINKDOC.
>
> In short, it is text or scanned photos/sketches that we upload to our
> web site for others to view.

Jim,

This is what hypertext (the H in HTML) is all about! Originally it was used to link to other files on the same machine, but as network connectivity improves, the linked files may be on a remote machine.

> See that was a LINKDOC - Nothing there but a link! Short, no wasted BW,
> and if you are interested you just click! (The title could have been a
> bit more descriptive. :)

A useful trick I've learned with Netscape running under Win95 (I'm using a Web-based mail reader, so I'm already in Netscape) is to right-click on such a link, then select "Open in New Window." That way I still have the original message in one window, and the referenced doc in another. (Makes life easier if the doc has other links to follow.)

Dave, WD8CIV

Date: Mon, 28 Jun 1999 08:17:41 -0500
From: Jeff Gold <JGold@tntech.edu>
To: QRP-L #98 <qrp-l@lehigh.edu>
Subject: [43658] WM 20 help
Message-ID: <007d01bec168\$99b9c200\$4d0b9595@cc.tntech.edu>
MIME-version: 1.0
Content-type: text/plain; charset="iso-8859-1"
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi,

I am trying to finish up my WM 20. All seems to be working well, except I only get 1.5 watts out. Seems I remember one or two others that did some type of correction with caps and maybe taking windings off cores.

Help is appreciated.

72
Jeff, AC4HF

Jeff M. Gold, Manager
Academic Computing Support
Tennessee Technological University
Information Technology Services

Date: Mon, 28 Jun 1999 08:28:57 -0500
From: "Tom Moll" <tomm@xata.com>
To: <qrp-l@lehigh.edu>
Subject: [43659] Dummy Load Night - Jun29 local time
Message-ID: <000701bec16a\$2d815f60\$4baa7acf@tomm.XATA-CORP>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

QST QST all dummies.
Mensa members please hit your delete key now.

Just one more day until the event of the week - Dummy Load Night!

Tired out from Field Day? Well, this event should prove have a
calming effect on you. QSO rates might be a tad slower. Band
not quite so crowded.

This event just could be the excuse you needed to buy or build
that memory keyer of your dreams. Or that dummy load of your dreams.

It's a simple event.

When: Tuesday June 29, 8 to 10PM CDT

Where: 7040 +/- QRM from the smarter crowd (the ones using antennas).

The Idea: Stupid.

No, I mean, just get on and try to make contacts running 5w into your
dummy load. No restrictions on dummy load type.

Receive Antenna: Use a separate receive antenna if you like (if you're a
wus).

Forgetting to switch back to the DL when transmitting qualifies you as a
real dummy.

Exchange: Participants should call CQ DLN.

Only RSTs need be exchanged for valid qso - anything else is optional.

SWL results should be reported even if no QSO is made.

Report Results: email results and soapbox comments to: n0bs@compaq.net

I'll compile and post them to qrp-l. ALL participants must report ! Report
calls of stations worked and heard and RSTs exchanged or heard.

Note this is a different address than this message originated from ! I hope
that

isn't too hard to comprehend, even if you ARE a dummy.

If you think THIS is stupid . . . you could be right - I don't know. I'm
too dumb.

Tom Moll N0BS

Date: Mon, 28 Jun 1999 09:41:15 -0400
From: "Scott, Gary" <gary.scott@bellhowell.infolearning.com>
To: "'qrp-1@Lehigh.EDU'" <qrp-1@Lehigh.EDU>
Subject: [43660] Need parts layout for 40-40 board
Message-ID: <ACB991DAAFC9D011B0A700805FC1AF1804D50777@zeeb-nt01.umi.bhowell.com>
MIME-Version: 1.0
Content-Type: text/plain

Help!

I purchased the PC board for the NE40-40 from FAR circuits several months ago, but seem to be missing a page from the docs, which has the component layouts for the board.

Does anybody know where I can get this layout for the parts?

Thanks in advance!

Gary Scott
N8PWI

Bell & Howell Information and Learning (formerly UMI)
Gary Scott
Supervisor Electronic Technical Support
Phone: 1-800-889-3358 Ext: 2385
Fax: 1-734-662-4554
Email: Gary.Scott@bellhowell.infolearning.com
www.bellhowell.infolearning.com

Date: Mon, 28 Jun 1999 09:39:32 -0400
From: John R Kirby <n3aaz-qrp@juno.com>
To: qrp-1@Lehigh.EDU
Subject: [43661] SPICE and The Noise Bridge (both, now working)
Message-ID: <19990628.094047.-16989.2.n3aaz-qrp@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

Software (WinSpice3) and Hardware (MNB-01), both now working

Objectives:

- 1) Create a hardware project (the noise bridge) to reinforce a software learning experience (SPICE)
- 2) Build a modulated noise bridge (1.5 to 30 MHz) with out an oscilloscope
- 3) Prove that a heterogeneous instrument can be built, calibrated and used to measure complex parameters with out the use of an oscilloscope

Progress to Date:

- 1) I have working SPICE models
- 2) I have working hardware,
(built the whole 9-yards from the bone yard,
so my cost to date is zero dollars)
but not calibrated yet !

What is a noise bridge?

An instrument sometimes referred to as an antenna noise bridge or RX bridge that allows the user to measure impedance of antennas or other electrical circuits and coaxial cable parameters.

The modulated noise bridge enhances measurements (null detection) while using only the station receiver and head phones.

Conclusions (to date):

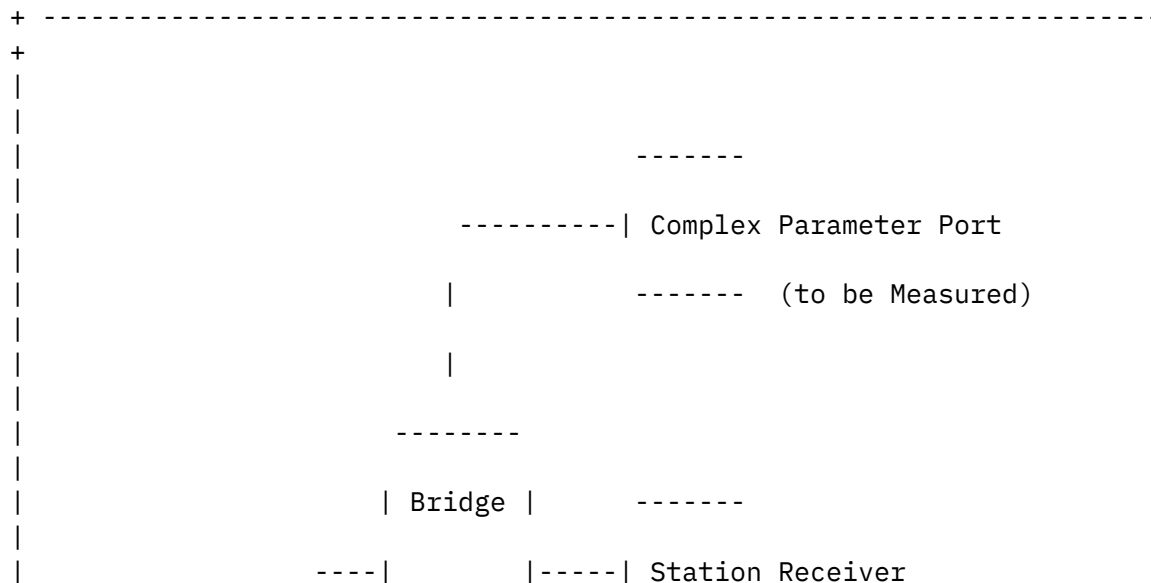
- 1) I figured out how to get SPICE up and running : >))
- 2) An oscilloscope is not required to build a working modulated noise bridge from 1.5 to 30 MHz : >))
- 3) Component values are NOT critical : >)) : >))

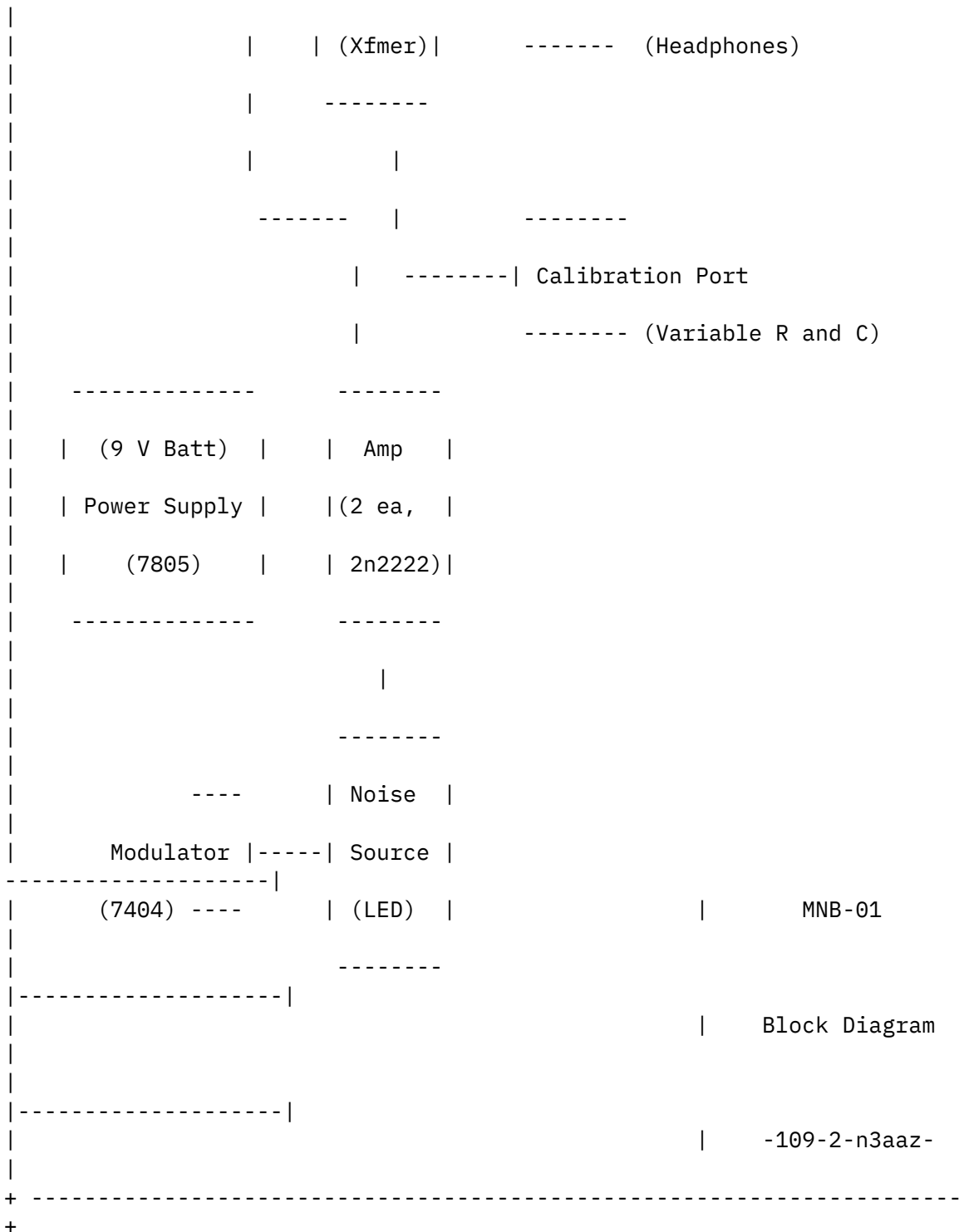
4-1) My chassis is a sheet of aluminum bent into an "L" for the front panel (but it has rubber feet, HI).

Plans for next period:

- The MNB-01 block diagram (ASCII format) is enclosed (use a *NON* -T t - "True text" font such as Courier 10 pitch to display).

John
N3AAZ
FM19xa





History:

1) Several posts here on qrp-l;

Re:Testing Coax Cables
Re:Testing Coax Cables (revisited)
Re:esting Coax Cables - and more
Re:esting Coax Cables, Antennas, Noise Bridge and SPICE

2) I had several replys wanting more information.

Get the Internet just the way you want it.
Free software, free e-mail, and free Internet access for a month!
Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

Date: Mon, 28 Jun 1999 15:45:36 +0200
From: dareid@Synopsys.COM
To: qrp-l@lehigh.edu
Subject: [43662] Re: Dummy Load Night - Jun29 local time
Message-ID: <199906281345.PAA16327@gooify.gr05.synopsys.com>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

You should have saved thi for April 1st.

and the callsign is great NO B*LLSH*T

I fotcl (fell off the chair laughing)

Dave
PA3HBB / G0BZF
8^D

Date: Mon, 28 Jun 1999 09:41:40 -0500
From: "Freeberg, Scott (STP)" <scott.freeberg@guidant.com>
To: "'QRP-L'" <qrp-l@lehigh.edu>
Subject: [43663] WTB: Drake 2AQ Speaker/Qmult for my tube QRP Station
Message-ID: <21B46CBD022AD1118F0500805F15A068018666E3@stpmsx05.stp.guidant.com>
MIME-Version: 1.0
Content-Type: text/plain

Hi All,

Looking for a Drake 2AQ speaker/q-multiplier to add to my tube qrp station consisting of an Ameco AC-1 at 5 watts output and a Drake 2A receiver. Prefer good physical and operational condition. Would consider a 2BQ. Thanks. When I want to run qro with the little tube station, I run a Conar 400 transmitter with a whopping 15ish watts out (and lots of chirp).

Is there anyone else running tube qrp rigs?

73,

Scott WA9WFA in Saint Paul Minn
OHR-100, Argonaut 509, Ameco AC-1/Drake 2A

Date: Mon, 28 Jun 1999 16:46:41 +0200
From: Charlos.Potma@rivm.nl
To: qrp-l@lehigh.edu
Subject: [43664] A DDS signal generator
Message-ID: <C125679E.005125D6.00@notesmta.rivm.nl>
Mime-Version: 1.0
Content-type: text/plain; charset=us-ascii
Content-Disposition: inline

I have completed a signal generator that uses the Analog Devices AD9850 DDS.
The generator has the following features:

- Uses two 16F84 microcontrollers, one for a 4x4 keyboard, the other for LCD, encoder, DDS, shift-register as DAC
- Range 0.1 - 40MHz
- Steps selectable from 1, 10, 100Hz, 1, 10kHz
- Step multiplier selectable from 1-9
- Frequency entry through keyboard in 1Hz precision
- Keyboard commands to sweep frequency up or down
- Keyboard command to 'wobble' frequency in 250 steps, with corresponding DAC voltage for oscilloscope X-input.
- Output level from 0 - +10dBm, level is held constant within 1dB over range.

The 'wobble' function is particularly useful for making measurements on filters. Using a log-detector whose output is connected to an oscilloscope Y-input and the DAC output to the X-input, the filter's response can be observed on the oscilloscope screen. 'Wobbling' is rather slow, I use an old memory scope

for this purpose.

The combination of selectable step / multiplier allows for flexibility in choosing a 'wobble' range. When using 1Hz steps, the 'wobble' range could be 250 Hz (mult=1) to 2250 Hz (mult=9), for 10kHz steps, this would be 250kHz - 22.5MHz.

Documentation, schematics, sources are available at:
<http://www.geocities.com/CapeCanaveral/Lab/9595/>

Comments are welcome,

Charlos Potma, PA3CKR
charlos.potma@rivm.nl

Date: Mon, 28 Jun 1999 11:27:06 -0400 (EDT)
From: Bob Patten <n4bp@bc.seflin.org>
To: QRP-L Reflector <qrp-l@lehigh.edu>
Subject: [43665] [3830] Field Day Summary #1 (fwd)
Message-ID: <Pine.3.89.9906281146.A6435-01000000@bc.seflin.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Want your QRP Field Results included in Mike's listing on the 3830 Reflector? Send your summary either to Mike directly: mwdink@eskimo.com or to: 3830@contesting.com where Mike also picks them up. If you send it to 3830, do not CC the same message or it will bounce. If there is any interest and some would rather not subscribe to 3830, I can forward the progression of summaries to the list.

73,

Bob Patten, N4BP (0 0) Plantation, FL
-----o00o-()-o00-----

E-Mail: n4bp@bc.seflin.org
Web Page: <http://wg104a.wh.uni-stuttgart.de/~n4bp>
Brass Pounder BBS: (954) 472-7715

----- Forwarded message -----
Date: Mon, 28 Jun 1999 08:17:39 -0700
From: Michael Dinkelman <mwdink@eskimo.com>
To: 3830@contesting.com, cq-contest@contesting.com

Subject: [3830] Field Day Summary #1

Field Day Summary #1

Just for Fun - the No Contest Contest results

```
~~~~~
Call           QSOs   Bonus Score  Sec
1A
WA4IMC         1,727  100    4,810    NFL
KE9R           913   400    3,696    IN
```

```
~~~~~
Call           QSOs   Bonus Score  Sec
1E
K6LL           2214      6,466    AZ
AA3B           1324    0    5,296    EPA
```

```
~~~~~
Call           QSOs   Bonus Score  Sec
3E
N0NI           4503      12,678    IA
```

```
~~~~~
Call           QSOs   Bonus Score  Sec
1D
PY2NY          40      47
```

Michael Dinkelman, N7WA
mwdink@eskimo.com
Kent, WA

--

FAQ on WWW: <http://www.contesting.com/3830faq.html>
Submissions: 3830@contesting.com
Administrative requests: 3830-REQUEST@contesting.com
Problems: owner-3830@contesting.com

Date: Mon, 28 Jun 1999 08:52:28 -0700
From: Allan G Taylor <k7gt@arrl.net>
To: qrp-l@lehigh.edu
Cc: k7gt@qsl.net
Subject: [43666] K2 arrives; FD99 tales

Message-ID: <37779A3C.32A5@arrl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

K2 kit #157 arrived last Friday. I was completely blown away by the very professional manual and packaging of the kit. Solder should start flowing tomorrow.

FD99 for K7GT was a solo affair to the local ridgeline. Elev 1480' gives it a nice 1st and 2nd reflective bounce as it is 1200' above the flat valley with ~10 miles of flat valley floor to the ENE. The site was electrically noise-free, although some acoustic QRM was wafting up from the Alameda County fair and their Swing Band extravaganza and the demolition derby! I took the setup going with me designated for the Yosemite trip and did some shakedown testing: NC40A, SST/20 (thanks, Cam), and two freshly made dipoles made of R/S 20AWG stranded and 50' of RG58. I also had all three battery packs for testing and two lightweight paddles: a homebrew plexiglas and copper strap monster and a Whiterook modified to strap with velcro to my leg. Two complete superlight stations. I turned one off, the other on, and swapped headphones and paddles!

It took nearly an hour to put up the antennas. The idea of using a water bottle as a 'throw' worked ok, but I just don't have the knack yet of getting it higher than about 25 ft. Fortunately it doesn't matter all that much from the ridgetop location! A solo performance in antenna installation is also problematic! I just got on the air in time for the WSN at 9AM PDT. Apparently Ed, WE6W, had also just put his rig on the air as I checked to see if I was getting out. I was. After the (poorly attended) WSN net, I went up to 20m and ended up working mobile stns on the County Hunter's net. Worked a new grid square (I collect them) So... I am getting out on 20m, also.

I operated on 40m for 60% of the time, getting 38Qs and on 20m for 30 Qs. Peak rate was 25/hr (40m, initial hour). Memorable Qs: W0CQC (but one band only), W7Z0I late in the session, and WE6W after he got his battery charged up. Other obligations required me to break down the setup at 2:30 and head down the mountain.

Comments: next time take along duct tape to cover the holes made in the throwing water bottle for the cord to pass through. Every time it hits the ground, one loses 20% of the water!

If one has a ridgetop perch, ALWAYS use horizontal polarization, esp on 20m and higher. This antenna was much better than the vertical

used for 20m in QRPTTF last April, same site. Also learned, if your rig is low on gain, put up a better antenna! The SST, generally noted to be a bit low on overall gain, did just fine this year with the dipole instead of a vertical.

I saw a nice blacktail doe deer and a hummingbird, a pond full of bullfrogs, and several hawks and turkey vultures. It was a perfect day up in the East Bay hills.

Boy am I anxious to put Bumblebee #87 into the air...!

73 all

Allan K7GT

--

	/	
	/	
Allan Taylor K7GT	/Z \	FISTS 3222 ARS 228
k7gt@arrl.net	/ /599 \	DXCC and WAS 40/cw
Pleasanton CA CM97aq	/_ /____ __\	http://www.qsl.net/k7gt
...QRO, QRP, or barefoot.....	[\-----/	

Date: Mon, 28 Jun 1999 11:08:32 -0500
From: Karl.Kanalz@optelinc.com
To: evhall@ix.netcom.com
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [43667] Re: More on inexpensive ADE-1 mixer
Message-ID: <8625679E.00591A07.00@hdqsmtp01.optelinc.com>
Mime-Version: 1.0
Content-type: text/plain; charset=us-ascii
Content-Disposition: inline

"Penstock" is an authorized distributor for MiniCircuitLabs, and unless things have changed drastically, their minimum order is \$25.00

They even take credit cards.

Karl K - W8TIF
McKinney, Texas

"Gene Hall" <evhall@ix.netcom.com> on 06/27/99 09:37:43 PM

Please respond to evhall@ix.netcom.com

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
cc: (bcc: Karl Kanalz/hdq/Optel)

Subject: Re: More on inexpensive ADE-1 mixer

I looked at the ADE-1 page again and this time I indeed saw the \$1.99 price.

On another of the website pages they list a \$100 minimum order which is a lot of ADE-1s.

I'm going to check with them tomorrow and see if it is a hard minimum.

Assuming it is, is there any interest in a group buy? Not limiting it to the ADE-1, but anything on their web page. Lets call this a preliminary survey...If you are interested let me know what and the quantity you want. I'll compile the list and see how we do. If there is enough interest I'll put out a call for hard orders.

By the way under the promotions section they are offering the MAR-1 amplifier for 69 cents each.

I'll also check on the availability of ADE-1 in case it is not yet in production.

73 ... Gene ... NN7CK

Date: Mon, 28 Jun 1999 11:09:55 -0500
From: randy cornelison <randyc@tsixroads.com>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [43668] 99 FD OPS
Message-ID: <37779E53.A987B249@tsixroads.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I had been off the air here @ K5UF for about 2 years so was eager to get back on, especially after reading all the fun I was missing on QRP via the QRP-L. I purchased an already assembled OHR400 from a fellow ham in Az and due to FD got a dipole up Sat. afternoon after work. I used a 10 ft. pc of pvc pipe (from work!) and mounted it to our deck on the rear of the house to string the dipole. Got swr right with MFJ analyzer etc etc.

Fired everthing up, and man, does that OHR play! Just operated a small amount of time and worked 27 states. Will try to get ant up on 85 ft tall limb soon. 40 meters was hot! Had a good time and glad to be back on, although cw on straight key is a little slow now, will prob.get better
Randy K5UF

Date: Mon, 28 Jun 1999 10:23:30 -0600
From: jaywa5whn@juno.com
To: qrp-l@lehigh.edu
Subject: [43669] Field Day & Meteor Showers
Message-ID: <19990628.102504.-312409.1.jaywa5whn@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

NASA Space Science News for June 28, 1999
Radio Meteor Alert -- The earth may be headed into two meteoroid swarms that could produce shooting stars for the next week. The meteors might be difficult to see visually (some are expected during the daytime) but HAM radio operators will be able to monitor these showers using radio reflection techniques. Radio observations reported to Science@NASA yesterday indicate that meteor activity may already be underway. This story includes audio sounds from meteors recorded on June 27th. FULL STORY at http://science.nasa.gov/newhome/headlines/ast28jun99_1.htm

The fun factor was over 100% during this Field Day.

When we had left Albuquerque @ 1300 UTC {June 26} the temperature was already @ 81 deg. F and rising. It was going to be a scorcher, unless you live in Phoenix or Yuma, then it would just be just another spring time day.

WB5LYJ {1B NM} & I had set up on the north end of San Juan Canyon, {DM65qs}, 45 miles north of Albuquerque. We had 60+ feet high ponderosa pines to launch antennas into. This year, 2 antennas, one standard G5RV for 40 meters & a 2 element wire beam for 20 meters, pointing NE. Everything we could hear, we had worked, maybe not on the first call, but we did eventually talk to them.

We were at 8,400 ft. asl. Outside temperature @ 2000 UTC was 92 deg. F. It was getting hot & so were the bands.

Two electrical storms had tried to chase us off of the moutain, but we did not budge. QRN on 40 meters was S-9. QRM on 20 meters was S-9. ;-)

Due to the Sun being directly over head, I had tossed a 5 watt solar panel up on the top of the tarps. This panel had powered the Sierra for 7+ hours by itself, with power to spare.

We were thankful when old Sol had finally set. It was one of those "shake & bake" days.

With a full moon {strange howling from a few miles away} we did not need the laterns.

I had set a receiver to the RS-12/13 beacon frequency {squelched}, then went to sleep for a few hours. The alarm clock {RS-12/13} was right on it's predicted time.

Did anyone notice the rapid fading on 15 meters on Sunday around 1500 UTC? S-9+ to S-0 in a few seconds. Suddenly, half of the S-9+ signals from California were gone. I had checked the antennas to make sure they were still up in the trees. This may have been due to the bow shock wave from the last solar flare. The band would drop out, then come back a few seconds later, with 3 or more people calling CQ FD exactly on the same frequency.

It always amazes me when I hear anything greater than 8A, or in one case 9E, yet in NH, there was a 28A. "Scotty, I need more power." ;-)

We had heard people working NQ7X on 20 cw. We did work all of California & North Texas. KL7G had a strong signal on 20 SSB. W1M00? ;-)

I can not wait until FD Y2K. All of the radio gear had worked flawlessly. 2 cockpit errors, which will be fixed next time. ;-)

Lessons learned {again}:

Always back up all FD log files in 2 separate places {floppies & hard drives}

Check all tarps & tents with a water hose, at home, prior to taking them into the field

pack more duct tape

pack the Tabasco sauce.

What's next? Bubba {brought to you by those AZ desert critters}.

We hope to see some of you at the Montana State Hamfest {Glacier-Waterton} & AZ State Hamfest {Ft. Tuthill} in July.

72...Jay, WA5WHN DM65qd Albuquerque, NM USA

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Date: Mon, 28 Jun 1999 10:34:49 -0600
From: Roy <marion@montana.com>
To: qrp-l@Lehigh.EDU
Subject: [43670] Sierra output mod
Message-ID: <199906281636.KAA19850@mail.montana.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

As hard as this is to believe, there are quite a few who never heard of the Sierra output mod. I have a new computer and don't have it as a file anymore. I am going on vacation for two weeks and won't be able to find it and scan it back in till then. I made mention of it and have been deluged with requests for info. Will one of you who has it all on your website please post to the list. Thankyou, 72\73 Roy AB7CE, MT. On the road with my K2.

Date: Mon, 28 Jun 1999 12:39:58 -0400 (EDT)
From: Chris Cartwright Sr <ccart@phideaux.com>
To: Allan G Taylor <k7gt@arrl.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [43671] Re: K2 arrives; FD99 tales
Message-ID: <Pine.LNX.4.04.9906281226020.5612-100000@dns.phideaux.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 28 Jun 1999, Allan G Taylor wrote:

> It took nearly an hour to put up the antennas. The idea of using a
> water bottle as a 'throw' worked ok, but I just don't have the knack yet
> of getting it higher than about 25 ft. Fortunately it doesn't matter

Allan,

How much water were you puttin' in there? And what type of bottle? It doesn't sound like it makes any difference, but I "prefer" a 20 oz Diet Coke bottle, and it "throws" much nicer. I suppose a "regular" Coke bottle would work too:) I put about 4 to 6 ounces of water in them, and the only problems we had with getting the loop, G5RV, and dipole to around 65' was our accuracy :) I could *hit* the branch we wanted to go over, another in our FD group had the altitude, but not the distance, but eventually they all went where we wanted.

I had told someone else about this and they brought a 20 Surge bottle (it looks like a tiny 2 liter bottle) full of water, none of us could throw it worth a darn! So we dumped out some water, and still couldn't get it to go where we wanted. The Coke bottle just has a nicer neck to grab hold of and toss it where you want. Sort of like throwing a knife. And with the 1/3 water, 2/3 air combo we didn't end up with any "leakage" after 40 or 50 sub orbital launches that landed on rocky ground on top of the mountain.

72

-- Chris Cartwright, Technical Engineer | ccart@phideaux.com --
-- N3XRV ARRL-VE Norcal Zombie #163 | Gaithersburg, MD FM19je --
-- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028 QRP-ARCI #9271 --

Date: Mon, 28 Jun 1999 17:12:15 +0000
From: Ed Loranger <we6w@qsl.net>
To: qrp-l@lehigh.edu
Subject: [43672] WSN-40 net, Quick FD report.
Message-ID: <3777ACEF.7497@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Gang. I got to really test out the following
during this weekend: Gel cells, OHR-100, ZM-2 tuner,

vibroplex bug, and myself.

I made a few preparation mistakes for this weekend. First, I didn't charge up the BIG gel cell until Thursday night. That battery died 30 minutes into the WSN-40 net, fortunately there were only 5 checkins and we QRT early anyway. The other big mistake was being too excited to sleep. I woke up off/on in the early hours Saturday morning. Out of bed at 4 AM wondering how I'd make it through field day without sleeping.

I NCS'd from Roberts Lake park in Rohnert Park, CA. I rode my bicycle there but got picked up afterwards by the xyl and waited until Noon to set up for FD.

I planned to operate 26 or 27 hours, not sleeping this year. The following rule applies to the extended field day operating time:

3.1. Class A and Class B (see below) stations who do not begin setting up until 1800 UTC Saturday may operate the entire Field Day period of 27 hours.

That is Sat., 11:00 AM Pacific to 2PM Pacific time Sunday.

So at 11:50 AM PT I hauled the gear into the back yard, Set up my Black widow pole in the table Hooked up my 2.1 AHR battery that lasts 8 hours at 3 watts and began my field day. I was one hour late. At least it only took 10 minutes to set up.

I love the heat and it was 90 degrees out all day. The ocean breezes here on the west coast chilled down to 55 deg. F quickly after sundown. The 2.1 AHR batter lasted 4 hours at 5 watts and I had 6 of them with me. I only needed 3 batteries.

At 10 PM I was a goner and hit the sack. On Sunday I worked the contest until 1 hour after the 'traditional' ending time. There were 2 hours left but I only got 5 contacts and it appeared that no one else was on the band.

Packing up the station took 10 minutes.

I wanted to work the bug for 2 more hours.... as usual, the contest was over before I knew it.

All totaled I got about 155 QSO's on 40 meters. The OHR 100 was in direct sun and barely drifted at all during the entire contest.

The vibroplex bug contacts stayed clean. The ZM-2 tuner worked perfectly. Oh, my post last week about the tuning range of the ZM-2 was slightly off. I said that the "500" switch position was 0 to 1032 PF -- it is approx. 516 to 1032 pF....

The three switch settings are:

(Zero center) -- Minimum capacitance (16 pF?) to 266 pF
(250) ----- Minimum capacitance (32 pF?) to 532 pF
(500) ----- Minimum capacitance (532 pF?) to 1032 pF.

Maybe that is why I couldn't sleep well on Friday night. Details, details....

Notes:

I convinced the XYL to buy me the Radio Shack clock that sets itself to WWV. They discounted it to \$29.95. Either it was on sale or I got a discount since it was a shelf unit. The clock is excellent. It only set itself when I was outside with it. There just wasn't enough signal inside the metal mobile home :) I wish it had a 24 Hour format and capability to set any timezone, including GMT. We've talked of this clock before so I'll not say any more except that the alarm is great. Starts slow and quiet and builds up to fast beeps and loud. It only takes one soft beep to wake me up. No more racing heart and surging headaches for me.

The ZM-2 is easy to use. My separate ATU and Power meter can be put aside. Unfortunately, I usually rely on the Power meter to measure

output power as a battery indicator. I need to build the simple battery bargraph unit so I know better when to change batteries. During FD I just changed batteries after 4 hours and was safe.

I don't believe I worked very many QRP stations. Maybe it is because 20 meters was hot? I was stuck on 40 meters since the 20 meter GM rig is not completed yet.

I hope you all had a great time.

Best 72 to all,
Ed WE6W

--

-Ed AR Millennium Q's=>900/2000 QRP-L#1068
72, Ed WE6W, A-1 OP; <http://www.qsl.net/we6w> Santa Rosa, CA
QRP-Z#106 AR#112 HI-QRP#64 NC#2227 ARCI#9397 ARS#275

Date: Mon, 28 Jun 1999 12:05:51 -0500
From: "Tom Moll" <tomm@xata.com>
To: "'Scott Howell'" <whowell@hq.nasa.gov>
Cc: <qrp-1@lehigh.edu>
Subject: [43673] RE: Dummy Load Night - Jun29 local time
Message-ID: <000901bec188\$7a592c50\$4baa7acf@tomm.XATA-CORP>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Scott,
There is no such thing as a dumb question !
Yes, a feed line is assumed. I don't think putting it at the top
of a 100 foot tower, or using open wire feed line would quite be in
the spirit of the event though !

:)
VERY 72, Tom

<<<<
-----Original Message-----
From: Scott Howell [mailto:whowell@hq.nasa.gov]
Sent: Monday, June 28, 1999 11:54 AM
To: tomm@xata.com
Subject: Re: Dummy Load Night - Jun29 local time

so one question for this dummy, can we put the load on the end of a
feedline?
If not well that is ok too.<g>

tnx es 72 de Scott/n3byy who is proud to be a dummy
>>>>>

Date: Mon, 28 Jun 1999 17:19:44 GMT
From: frussle@erols.com (Jake Brodsky)
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [43674] Re: Fractal antennas?
Message-ID: <3779aa08.1828841@smtp.erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: quoted-printable

Content-Transfer-Encoding: quoted-printable

On Sat, 26 Jun 1999 03:55:44, Kirk Job Sluder <csluder@indiana.edu>
wrote:

>In the current Scientific American there is a short article on=20
>fractal antennas. Basically the claim was that an antenna kinked into
>the shape of a fractal such as the Koch Snowflake or printed onto a=20
>circuit board such as a Sepanski Gasket or Square created an efficient
>multi-band radiator. The article included a photo of a cellular=20
>phone designed for both cellular and GPS that used a printed=20
>circuit board with a Spanski Square fractal for the antenna.
>
>Does anyone have more information about this idea or know where=20
>to look?

I saw it in SA too (groan --my opinion of them has just dropped a notch). Basically, using a fractal antenna allows you to reduce the size of the radiating element somewhat without loading coil losses or excessive loss of bandwidth.

Accurate modeling of a fractal antenna is a lot harder than it looks. This situation is not helped by the rather antisocial behavior exhibited by Nathan "Chip" Cohen on the net. Yes, Chip is smart --intellectually. Socially he is quite difficult to take. I find the signal to noise ratio of his posts is so poor that his address is on my kill file for the rec.radio.amateur.antenna news-group. =20

An aside: With all the RF radiation brouhaha, the difficulty of modeling near field RF heating effects from Cellular Telephones, and the difficulty of modeling a fractal antenna --Why would anyone put all this together in one package? If a potential RF exposure problem exists, why concentrate the fields with a shortened antenna?

Jake Brodsky, <mailto:frussle@erols.com>
"Nearly fifty percent of all graduates came from=20
the bottom half of the class."

Date: Mon, 28 Jun 1999 13:29:28 -0400
From: "Mike Czuhajewski" <wa8mcq@erols.com>
To: <qrp-1@lehigh.edu>
Cc: "wa8mcq" <wa8mcq@erols.com>
Subject: [43675] HW-8 info
Message-ID: <199906281731.NAA05416@xanadu.evi-inc.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1

Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

VE2KN had some questions about the "classic" low output on 80/40 problem. I can't give the number of turns on the original coils, being at work, but I can give an idea of the typical output from an unmodified HW-8. This comes from years of experience, working on (quite literally) a couple dozen or more of them, and checking the output with a trusted and well calibrated diode detector wattmeter and a Bird 43 wattmeter and a scope, all of which agree with each other closely. (Not having access to the Bird anymore, I just use my Tektronix 465B scope.)

As always, your mileage may vary but typical outputs are:

2 or more watts on 80 (but rarely much above 2.5)
up to 2 on 40, usually a bit under
1 or more on 20, up to 1 1/2 or more
1 or so on 15, often more like 3/4

The HW-8 manual gives powers in input, not output, as I recall. A Heath service bulletin gives a level of 1.5 watts on all bands, but that conflicts with what I've observed myself on many units over the years.

A good Heath site, in general, can be found at:

<http://members.accessus.net/~dwentz/kb9jja/heathkit/>

It includes sections for the HW-8 and HW-9, which are currently clickable from the opening page. Under the HW-8 section is a link to some Heath service bulletins on the rig.

BTW, I just reread my old article and it mentions that on one rig I fixed with new cores, with the original number of turns, I had to peel off several from one to get full output. Individual variations in permeability from core to core can throw things off a bit.

Anyone who has seen the schematic of the HW-8 knows that it uses an interesting matching network between the final and antenna. It does allow for some tuning of the output, probably a holdover from the old tube days when virtually all rigs were tunable. (I remember how odd it seemed when they came out with the HW-16 novice rig, with a tube amplifier, built for a fixed 50 ohm output.) For the last many years, commercial and homebrew rigs have been designed for a 50 ohm output, with any impedance matching being done externally with an antenna tuner.

One possible modification to the rig, which gets around the problem of the ferrite cores used on 80/40 going bad, would be to rip out the entire matching network on all bands, including the front panel tuning capacitor,

and replace them with suitable low pass filters like most QRP rigs have now. I have never done this myself since I only have one HW-8 and want to keep that part of the circuit "stock" but I've heard of some other folks doing it. You lose the ability to tune the output, of course, but that's not really necessary since everyone uses antenna tuners.

73 and queue our pea DE WA8MCQ

Date: Mon, 28 Jun 1999 12:27:20 -0500
From: "Tom Moll" <tomm@xata.com>
To: <qrp-1@lehigh.edu>
Subject: [43676] Dummy Load Night
Message-ID: <000a01bec18b\$7abe4f60\$4baa7acf@tomm.XATA-CORP>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

NO !

Antennas that have in the past been accused of BEHAVING
like a dummy load, do not qualify AS a dummy load for this event !!
Sheeeesh !
I thought this was going to be simple.
Tom Moll, NOBS
aka Charlie McCarthy, NOBRAIN

Date: Mon, 28 Jun 1999 11:58:22 -0600
From: "Carl Zmola" <zmola@campbellsci.com>
To: qrp-1@Lehigh.EDU
Subject: [43677] Re: 10 Meters
Message-ID: <19990628175801923.AAA139@carl-zmola>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

> When is a good time for 10 Meters to be dx active?

Whenever 10 is open.
Afternoons are good. So is evening, Grayline propagation and
sporadic E.

Carl
zmola@campbellsci.com

Date: Mon, 28 Jun 1999 13:59:18 EDT
From: PUNISHER3@aol.com
To: qrp-1@lehigh.edu
Subject: [43678] Water Bottle throwing
Message-ID: <78c9e42b.24a911f6@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hello,

For some of my "outings," i have also used the water bottle technique. I was wondering what the correct way to throw the water bottle is. Just for now, I am using a gatorade bottle, I think 20 oz and the rope fits nicely around it, in the groove. I think my top height is maybe 30 feet or so and I am throwing it by just cranking my arm back and heaving it as hard as I can. I have tried spinning the bottle on the rope then letting go but I found that I don't have much control when I do this.

I would like to hear some other people's opinions on how they do the "water bottle technique"

73,
Ben NW7DX

Date: Mon, 28 Jun 1999 12:18:22 -0600
From: "Carl Zmola" <zmola@campbellsci.com>
To: qrp-1@Lehigh.EDU
Subject: [43679] Re: CQ FD
Message-ID: <19990628181801108.AAA215@carl-zmola>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

From: "Steven Weber" <kd1jv@moose.ncia.net>
> I can copy a bit faster than I can reliably send with the paddle,
> so I just set it where I can send good and leave it there. (18wpm)
> Figure it's better to send the exchange correctly once, rather than
> try and match the other guys speed and mess it up a few times :-)

I wish others would do that. I couldn't get one guys section MI MS

MH???

He would try to send faster than he could.

Carl

zmola@campbellsci.com

Date: Mon, 28 Jun 1999 11:21:09 -0700
From: "Ivan Dubinsky" <ivandu@uniserve.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [43680] Cape Beale Lightstation On The Air
Message-ID: <005201bec193\$48c25080\$e45af4cc@patriot>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hello to all,

I recently took up a new position as assistant lightkeeper at Cape Beale Lightstation, a lighthouse on the west coast of Vancouver Island. It so happens that July 1st of this year will mark the 125th anniversary of staffed operation at this station. To commemorate this event, I have come up with a nice certificate which I will be offering to any station that I work in the qrp mode. Beginning July 1/1999, I will be looking for qso's on or near the recognised qrp frequencies on all bands. I'll continue to offer these until the end of this year.

Cape Beale Lightstation, along with the rest of the lighthouses on B.C.'s coast recently almost became the victims of automation. However, due to a great howl of outrage from the boating public against this plan, the lights have been given an indefinite reprieve. This present state of affairs could change any time though so these certificates could become real collector's items.

I'm looking forward to giving my newly acquired Ten Tec Argosy II a workout so I hope to meet many of you on the air.

For anyone interested in learning more about B.C.'s lighthouses, I point you to the excellent web site at
<http://www.fogwhistle.com/bclights/> .

Wishing everyone all the best.

Ivan Dubinsky VE7IVN
Cape Beale Lightstation

Date: Mon, 28 Jun 1999 14:57:58 -0400 (EDT)
From: Bob Patten <n4bp@bc.seflin.org>
To: Tom Moll <tomm@xata.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [43681] RE: Dummy Load Night - Jun29 local time
Message-ID: <Pine.3.89.9906281446.B21697-01000000@bc.seflin.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 28 Jun 1999, Tom Moll wrote:

>
> Yes, a feed line is assumed. I don't think putting it at the top
> of a 100 foot tower, or using open wire feed line would quite be in
> the spirit of the event though !
>

I don't get it. Is this the same "QRP spirit" that says antennas for QRP cannot have gain or height? What is the object, to radiate as little power as you possibly can and work no one? I don't get it. What is the point of this exercise in frustration? Fortunately, I'll be at work and cannot warm my dummy load. But I could probably still send in a zero point entry and be quite high in the standings.

Please don't interpret this as a flame against you or anyone else. I just honestly don't get it.

73,

Bob Patten, N4BP (0 0) Plantation, FL

-----o00o-()-o00-----

E-Mail: n4bp@bc.seflin.org
Web Page: <http://wg104a.wh.uni-stuttgart.de/~n4bp>
Brass Pounder BBS: (954) 472-7715

Date: Mon, 28 Jun 1999 15:07:35 EDT
From: ARDUJENSKI@aol.com
To: qrp-1@lehigh.edu
Subject: [43682] WIRE SPOOL ANTENNA
Message-ID: <ab1ce83.24a921f7@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

A few months back there was an antenna that was being sold by one of the clubs that was in something similar to a chalk line holder. The idea was to just real out how much wire you needed. I had some questions:

- (1) What type of wire was used?
- (2) Was it end fed thru the coiled up wire? If so was there any ill effects feeding it thru the coiled wire still on the spool?
- (3) Is it still available and if so can you give me the source?

Thank you...Alan KB7MBI

Date: Mon, 28 Jun 1999 15:16:28 -0400 (EDT)
From: Chris Cartwright Sr <ccart@phideaux.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [43683] Sunspots - WOW!!!
Message-ID: <Pine.LNX.4.04.9906281506270.5612-100000@dns.phideaux.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I just went through all 275+ charts at www.dxlc.com, and the sunspot number is as high as it's been since 1957! Sure the flux isn't as high, but WOW!! No wonder playing radio this weekend was so easy:)

December of 1957 Flux=375 SS=357
<http://www.dxlc.com/solar/history/hist1957.html>

November of 1979 Flux=365 SS=300
<http://www.dxlc.com/solar/history/hist1979.html>

Jun of 1999 Flux=208 SS=340
<http://www.dxlc.com/solar/>

I think these are the good old days! At least for those of us born after 1957 :)

-- Chris Cartwright, Technical Engineer | ccart@phideaux.com --
-- N3XRV ARRL-VE Norcal Zombie #163 | Gaithersburg, MD FM19je --
-- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028 QRP-ARCI #9271 --

Date: Mon, 28 Jun 1999 14:36:23 -0500
From: "Tom Moll" <tomm@xata.com>
To: "'Bob Patten'" <n4bp@bc.seflin.org>
Cc: <qrp-1@lehigh.edu>
Subject: [43684] RE: Dummy Load Night - Jun29 local time
Message-ID: <000c01bec19d\$81a716b0\$4baa7acf@tomm.XATA-CORP>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

On Mon, 28 Jun 1999, Bob Patten wrote:

On Mon, 28 Jun 1999, Tom Moll wrote:

>

> Yes, a feed line is assumed. I don't think putting it at the top
> of a 100 foot tower, or using open wire feed line would quite be in
> the spirit of the event though !

>

I don't get it. Is this the same "QRP spirit" that says antennas for QRP
cannot have gain or height? What is the object, to radiate as little
power as you possibly can and work no one? I don't get it. What is the
point of this exercise in frustration? snip snip 73,

Bob Patten, N4BP (0 0) Plantation, FL

-----o00o-()-o00-----

Well, Bob, if you don't get it, you're not alone !

Here's my take on it. There have been many stories over the years about
people accidentally making contacts while on their dummy loads.

Personally, I have my doubts about the majority of these "incidents."

Given that, I thought it would be interesting to see if an organized effort
to

duplicate these feats could prove or disprove to a higher degree, the
probability of this actually happening. This would mean that people should
use their "normal" dummy load setup, and not make a concerted attempt to
alter the conditions under which such a contact would have been made
accidentally, such as putting the load high in the air and using a feedline
that

inherently radiates ! Does that make more sense ?

In addition, it is quite interesting to see how many people are interested
in participating in an activity that is as ludicrous as this is !!! Me
included.

No offense taken to your remarks :) It's all for the fun of it.
73, Tom Moll N0BS

Date: Mon, 28 Jun 1999 16:00:16 -0400
From: "Ed Tanton" <n4xy@att.net>
To: "QRP-L Reflector" <qrp-l@Lehigh.EDU>
Subject: [43685] RE: DUMMY LOAD NIGHT
Message-ID: <001c01bec1a0\$d76fd070\$01010101@n4xy>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

In case you guys were wondering about Tom Moll's recent message, he didn't notice I posted the following only to him:

Hey Tom... do you think it'd be OK if I ran my B&W 1.8-30 Mhz Folded Dipole? CERTAIN people on [ANTENNAS] (reflector) seem to think its no better than-perhaps even WORSE than-a dummy load.

72 / 73 Ed N4XY Elecraft K2 sn: 000057

Ed Tanton N4XY EMAIL: n4xy@arrl.net
189 Pioneer Trail
Marietta, GA 30068-3466 TEL: (770) 971-0436

INTERESTS: *CW (99.5%) *QRP (QRP-L# 758)
*BoatAnchors *Test Equipment *Photography

"Begin at the beginning... and go on until you come
to the end: then stop."

The White Rabbit, from "Alice In Wonderland"
~~~~~

-----  
Date: Mon, 28 Jun 1999 13:10:10 -0700  
From: "Andreas Junge" <andreas@atltech.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [43686] Field Day coverage by the San Jose Mercury news  
Message-ID: <NCBBICGFKJGGDJBAABOAEONDDAA.andreas@atltech.com>



MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Gang,

as part of the FD preparations, the Palo Alto Amateur Radio Association (PAARA) sent a letter to the San Jose Mercury news to get the 100 bonus points for press work. Well, first a photographer showed up at our FD site and shortly after that a nice lady stopped by to gather the information. Apparently she had no clue about "HAM" radio. Bands? Waves? Why all that in the age of the Internet ? She patiently listened, looked around and learned.

I think she hit the nail on the head with what she came up with :

<http://www.mercurycenter.com/premium/local/docs/hamradio27.htm>

BTW, we used a K2 with solar charged internal battery for the natural power bonus. We almost forgot to put the "BIG" rig back on the air :-).

73,

Andreas, N6NU  
Menlo Park, CA

-----  
Date: Mon, 28 Jun 1999 13:12:05 -0700  
From: Mighty Mik <mitymik@hooked.net>  
To: "qrp-1@Lehigh.EDU" <qrp-1@Lehigh.EDU>  
Subject: [43687] DIY board etching...  
Message-ID: <3777D6EE.F285365F@hooked.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=iso-8859-1; x-mac-type="54455854"; x-mac-creator="4D4F5353"  
Content-Transfer-Encoding: 8bit  
Content-Transfer-Encoding: 8bit

ok...did i read correctly that Sharpie brand markers can be used for etch resist? (black AND red)...does anyone have a recommendation for LARGE areas (like ground planes)?

and then...how about more than one? I suppose that one could photo etch each one, but has anyone tried rubber stamps? Or wood block? There is also silk screen...

what did you use for ink?

and, are plastic containers OK for etching?

looking ahead...

--

@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@

72/73 de Mick, WD8MNV/6 QRP-L #1673 QRP-C #118 ZOMBIE #441

NC20 SWL40+ ZM-2 DSP-3 rocket scientist and a 6 meter wanna be.

Aeropac #111 Tripoli #3071 Level 2

-----  
Date: Mon, 28 Jun 1999 13:14:12 -0700 (PDT)

From: Monte Stark <ku7y@dri.edu>

To: Bob Patten <n4bp@bc.seflin.org>

Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [43688] RE: Dummy Load Night - Jun29 local time

Message-ID: <Pine.GS0.4.10.9906281311470.9502-100000@rotor.dri.edu>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 28 Jun 1999, Bob Patten wrote:

> >

> I don't get it. Is this the same "QRP spirit" that says antennas for QRP  
> cannot have gain or height? What is the object, to radiate as little  
> power as you possibly can and work no one? I don't get it. What is the  
> point of this exercise in frustration?

Heck Bob,

I'm just waiting for the ERP police to figure out how to limit the ERP  
of the dummy loads to be sure to keep it all "fair"..... :-)

Ron, KU7Y

-----  
Date: Mon, 28 Jun 1999 12:22:43 -0700

From: E L D <wd7y@pyramid.net>

To: qrp-1@lehigh.edu  
Subject: [43689] FS  
Mime-version: 1.0  
Content-type: text/plain; charset="us-ascii"  
Content-transfer-encoding: 7bit  
Content-Transfer-Encoding: 7bit

MFJ-9040 CW Transciever  
With plug in MFJ Curtis Keyer & plug in MFJ Audio Filter.  
With Manuals, In good Condition.  
\$180 Shipped in US

MFJ-9030 CW Transciever  
With Tic Tac Keyer & Manuals  
Good Condition (with scratch on front panel)  
\$150 Shipped US

MFJ-969 Delux Versa Tuner II 6-160M 300W  
With Manual  
In Good Condition  
\$165 Shipped US

-----  
Date: Mon, 28 Jun 1999 15:19:31 -0500  
From: "Chuck Adams K5FO" <adams@ticnet.com>  
To: qrp-1@lehigh.edu  
Subject: [43690] K5FO Estate Sale  
Message-ID: <E10ygm2-0005pk-00@pop3.ticnet.com>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT  
Content-Transfer-Encoding: 7BIT

Gang,

In anticipation of the move to AZ next year (I know --- some of you thought we had already moved but Phyllis was too valuable at work and they wouldn't let her go) the K5FO QRP collection is about to go. Not in its entirety, but a majority of the stuff. I think I'll do a before and after photo.....

Why? Got a 200 pound rule on the move and the shear weighs in at 110 pounds (52kg for the metric advantaged). And just how

many rigs can I operate at one time anyway? One - on a good day.  
The 200 pound rule is something that I made up, not Phyllis. :-)

Procedure: I have obtained permission of the owner of qsl.net to put pictures, etc. on the web page. I'll do the rigs in order that I check them out, document them, etc. No advance sales except on the OHR500 and NC20 that two had asked and begged about :-) earlier and I promised them. If they back out, then the rigs will come up in the list.

No advance requests will be taken at this time. So you just have to be diligent and hope you are there when they appear. Postings will be aperiodic and only on the web page. If you are web disadvantaged there is nothing I can do about it. No one allowed to see something appear and then post to QRP-L. The purpose here is to NOT have stuff banter about on QRP-L. Please.

Timeline: Tomorrow, June 29th, a photo of "the shelf" of the rigs. Then on Monday, July 4th (?), I'll start the process of selling off the paddles and rigs..... This outta be fun. One paddle goes on the block at [www.ebay.com](http://www.ebay.com) and we all know which one that is.... :-)  
No discussion needed or desired on why or why not. It's my paddle at this time and I can sell it anyway I want. Right? I thought so. And when it does, please don't announce it to QRP-L. You'll get a flamewar started that you don't want to hear about.  
The rest go at or below what I paid for them. Some of them are collectors items. I will not get into a bidding war over them. When they pop up on the page, they are available, otherwise not.

I even have some unbuilt kits that will pop up in random order. No listing of what they are. It's just as I find them in a drawer or closet.....

I'm taking this offline of QRP-L so that the traffic will not be a burden on a lot of folks. Many want me to keep the entire collection intact but I enjoyed every second of putting it together. It is time for others to put the rigs on the air and we'll let the rest of the world know how many of us there are.

Some will cringe that this beautiful collection is being taken apart, but better now than after I am gone. IMHO.

If I get no takers on an item in 24hrs, then the price comes down. But I'm told by some that I won't have that problem. Time will tell.

And just in case someone is thinking of doing some bean counting and posting. DON'T. I know that someone will think it is cute but it won't be....

Some random notes. Have a NC paddle with wide spacing levers that I will trade for narrow, if someone is interested, else the paddle goes. Not now, please..... It is unbuilt as I have two others already done.

On way back from travel agency today saw a USPS on wheels vehicle in the parking lot, so picked up some priority mail boxes in anticipation of this big QRP event. And if someone wants UPS, then we'll work on it. You haven't hurt until you see \$250K of equipment disappear with no insurance..... Offline.....

OK, let the games begin.

I live in fear that one or more of these rigs will have the battery or power supply hooked up backwards..... :-(

FYI

Chuck Adams K5FO adams@ticnet.com <http://www.qsl.net/k5fo/>

-----  
Date: Mon, 28 Jun 1999 16:37:06 -0400  
From: hamjoel@juno.com  
To: qrp-l@lehigh.edu  
Subject: [43691] Loaded Dummy  
Message-ID: <19990628.163920.-267401.0.hamjoel@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Well Phoooooooooooo

I mis-understood the hole thing...I done had my 100ft coax put 60 foots in a tree with a 15 watt 115v light bulb on the end of it... Now my cajun mama is calling me a dummy... actually, showing proper respect, she calles me ...Mr. Dummy...makes me feel a hole lot better about it.

I have seen and have made contacts with a light bulb connected to the back of the xmtr... and I have seen a dummy load (heathkit) make a contact or two... however I think the project would be best done with a bit moren 5 watts to be effective... whatever radiation that excapes an't gonna be much and not much of 5 is a whole lot lessen than not much of 50 or 100 watts...

I will, however be interested in the results and listen a bit on forty for cqdl... As the automobile makers would say..... Have a bit more respect for the test--dummy....

Joel KE1LA

In Maine

PS

done shot out my dummy light with my little Red Ryder bb gun... got it on the 5th shot.. boy is my cajun mama proud!

-----  
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-----  
Date: Mon, 28 Jun 1999 20:40:29 +0100

From: Larry Cahoon <wd3p@juno.com>

To: qrp-1@Lehigh.EDU

Subject: [43692] DLN

Message-ID: <19990628.204049.4062.3.wd3p@juno.com>

Now I'm a bit curious and thought I should ask for a group ruling prior to the event from whatever official power that be. When I make a QSO in this Dummy Load Night Event how do I compute my miles per watt? Now if you think this is a meaningless question I figure I can beat that zero point guy by fixing up a couple of dummy loads to my 2 Meter rigs and having a nice chat with my son across the room. Let's see now that is 10 ft, or is it 12ft, divided by zero watts(?) that gives me infinite miles per watts. Guess that gets me a 1,000 miles per watt award if someone thinks it's fair. Of course I have to get my son to give me a card for the QSO. I think I can arrange that.

What Fun, 73 de Larry.....WD3P in MD.

-----  
Get the Internet just the way you want it.

Free software, free e-mail, and free Internet access for a month!

Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

-----  
Date: Mon, 28 Jun 1999 16:48:10 -0400

From: "Alex Mendelsohn" <ai2q@ispchannel.com>

To: <andreas@atltech.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [43693] RE: Field Day coverage by the San Jose Mercury news

Message-ID: <000601bec1a7\$8840cd40\$5c32a7d0@mendelsohn.ispchannel.com>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

Congrats! Great PR for ham radio. Vy 73, AI2Q, Alex in Kennebunk, Maine  
.-.-.

> -----Original Message-----

> From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU]On Behalf Of  
> Andreas Junge

> Sent: Monday, June 28, 1999 4:10 PM

> To: Low Power Amateur Radio Discussion

> Subject: Field Day coverage by the San Jose Mercury news

>

>

> Gang,

>

> as part of the FD preparations, the Palo Alto Amateur Radio Association  
> (PAARA) sent a letter to the San Jose Mercury news to get the 100 bonus  
> points for press work. Well, first a photographer showed up at our FD site  
> and shortly after that a nice lady stopped by to gather the information.  
> Apparently she had no clue about "HAM" radio. Bands? Waves? Why  
> all that in

> the age of the Internet ? She patiently listened, looked around  
> and learned.

>

> I think she hit the nail on the head with what she came up with :

>

> <http://www.mercurycenter.com/premium/local/docs/hamradio27.htm>

>

> BTW, we used a K2 with solar charged internal battery for the  
> natural power

> bonus. We almost forgot to put the "BIG" rig back on the air :-).

>

> 73,

>

> Andreas, N6NU

> Menlo Park, CA

>

>

-----

Date: Mon, 28 Jun 1999 16:49:17 -0400

From: "Ed Tanton" <n4xy@att.net>

To: <wd3p@juno.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [43694] RE: DLN

Message-ID: <002101bec1a7\$b02cfc70\$01010101@n4xy>

MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Larry... how can you even ask???? Of course: you take the actual figure  
using miles and watts and DIVIDE it by 50 (for the 50 ohms of the DL.)

72 / 73 Ed N4XY email: <n4xy@arrl.net>

-----  
Date: Mon, 28 Jun 1999 16:50:22 -0400  
From: "Ed Tanton" <n4xy@att.net>  
To: "QRP-L Reflector" <qrp-l@Lehigh.EDU>  
Subject: [43695] FW: DLN  
Message-ID: <002201bec1a7\$d750ab80\$01010101@n4xy>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

-----Original Message-----  
From: Ed Tanton [mailto:n4xy@att.net]  
Sent: Monday, June 28, 1999 4:49 PM  
To: wd3p@juno.com; Low Power Amateur Radio Discussion  
Subject: RE: DLN

Larry... how can you even ask???? Of course: you take the actual figure  
using miles and watts and DIVIDE it by 50 (for the 50 ohms of the DL.)

72 / 73 Ed N4XY email: <n4xy@arrl.net>

-----  
Date: Mon, 28 Jun 1999 21:00:18 +0000  
From: Goran Hosinsky <hosinsky@royac.iac.es>  
To: qrp-l@lehigh.edu  
Subject: [43696] Re: Dummy Load Night - Jun29 local time  
Message-ID: <3777E262.A91C3F8B@royac.iac.es>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit



Content-Transfer-Encoding: 7bit

Is this event open for dx too?  
ea8yu

-----  
Date: Mon, 28 Jun 1999 16:05:43 -0500 (CDT)  
From: ac5ez@webtv.net (Larry B)  
To: qrp-l@Lehigh.EDU  
Subject: [43697] RE: Dummy Load Night - Jun29 local time  
Message-ID: <8966-3777E3A7-11695@postoffice-112.iap.bryant.webtv.net>  
Content-Disposition: Inline  
Content-Type: Text/Plain; Charset=US-ASCII  
Content-Transfer-Encoding: 7Bit  
MIME-Version: 1.0 (WebTV)  
Content-Transfer-Encoding: 7Bit

Since when does "qrp" refer in any way to antennas ?

-----  
Date: Mon, 28 Jun 1999 15:04:56 -0600  
From: "Marshall Emm" <mgemm@mtechnologies.com>  
To: qrp-l@lehigh.edu, CQCList@cqc.org  
Subject: [43698] CQC's Field Day(s)  
Message-ID: <199906282109.PAA22723@edison.chisp.net>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT  
Content-Transfer-Encoding: 7BIT

The Colorado QRP Club's 1999 Field Day effort consisted of two NEW sites. The "main" or competitive site, operating as W0CQC in 2A Battery, was at the Flat Rock Overlook on Rampart Range Rd, about 30 miles southwest of Denver at an altitude of 8000 feet. The "Aloha" or non-competitive site (operating as AB0CD in 3A Battery) moved from Cherry Creek State Park to Bear Creek Park, west of Denver near Morrison.

Both sites offered substantial improvement in operating conditions, and previous club Field Day records were just blown ALL to heck!

CQC's previous QSO record was 1498 QSO's, so we set 1500 as a target. Our unofficial rough count for Field Day '99 is 1746! Something tells us that big scores are going to be pretty typical this year.

The previous record for contacts by a CQC Novice/Tech station, set at 70 QSOs

in 1996, was broken at 5:30 on Saturday by Donna KA5WET and her enthusiastic crew of NTs. Donna switched to CW and finished up with a total of 108 QSO's! This was particularly gratifying, and poignant, because 1999 will probably go into the books as the last ever Novice/Tech Field Day.

Band conditions were excellent and a highlight was an astounding opening on 2M from CO to TN and GA, and AL!

And the "non competitive" Aloha site finished Field Day 99 with a slight improvement on last year-- 417 QSO's at rough count, or an improvement of a mere 400%! The Aloha site operated in 3A and kept all three transmitters busy. The Bear Creek site proved much more suitable than expected, as can be seen from the results.

It was a great weekend, and everybody had a great time. A vote of thanks to organizers Paul (KF7MD) and Larry (WJ1R) at the Rampart Range site, and Dick (AB0CD) and Dave (KI0ND) at the Aloha site. Congratulations to all of the CQC members who participated, and to all the other QRPers out there too.

Pictures are on the web at <http://www.cqc.org/gallery/fd99>

73  
Marshall Emm  
N1FN/VK5FN  
n1fn@MorseX.com  
Morse Express and Oak Hills Research  
"Everything for the Morse Enthusiast"  
<http://www.MorseX.com>  
<http://www.ohr.com>  
(303)752-3382  
--

-----  
Date: Mon, 28 Jun 1999 21:05:33 +0000  
From: wd8civ@att.net  
To: qrp-l@lehigh.edu (QRP-L Mailing List)  
Subject: [43699] Re: K5FO Estate Sale  
Message-ID: <19990628211026.KRRP973@webmail.worldnet.att.net>

> I'm taking this offline of QRP-L so that the traffic will not be a  
> burden on a lot of folks. Many want me to keep the entire collection  
> intact but I enjoyed every second of putting it together. It is time  
> for others to put the rigs on the air and we'll let the rest of the  
> world know how many of us there are.

>  
> Some will cringe that this beautiful collection is being taken apart,  
> but better now than after I am gone. IMHO.

Chuck,

I like your attitude: "You can't take it with you!" The bright side of a purge like this, is you get to build a collection all over again. No more of the "But I (you) already have a ..." conversations, with self or spouse. (I hope you'll keep enough to avoid the "I wish I had kept the ..." conversations.)

> I live in fear that one or more of these rigs will have the  
> battery or power supply hooked up backwards..... :-(

It's tough letting the kids go, isn't it?

Dave, WD8CIV

-----  
Date: Mon, 28 Jun 1999 21:15:59 +0000  
From: wd8civ@att.net  
To: qrp-l@lehigh.edu (QRP-L Mailing List)  
Subject: [43700] Re: DIY board etching...  
Message-ID: <19990628212341.KYBP973@webmail.worldnet.att.net>

> ok...did i read correctly that Sharpie brand markers can be used for  
> etch resist? (black AND red)...does anyone have a recommendation for  
> LARGE areas (like ground planes)?

Mick,

I've used black "permanent" markers (don't remember if they were Sharpie brand) successfully - as long as the etch doesn't take too long. (Mixing etchant 1:1 with hot water makes it go a lot faster. I think it works better than the heat lamp trick described in the ARRL Handbook.)

For large areas, I use wide plastic tape, like packing tape.

> and then...how about more than one? I suppose that one could photo etch  
> each one, but has anyone tried rubber stamps? Or wood block? There is  
> also silk screen...

I've seen the silkscreen method written up (I think it was in 73 Amateur Radio Today), but it was a long time ago. I'd be concerned about track width on modern IC / surface mount boards.

> and, are plastic containers OK for etching?

I use Tupperware (tm) or the cheap equivalent. If you can find a vertical container, like the so-called "cereal containers," that doesn't take a lot of etchant to fill, go for it. Etching vertically always went faster for me than if the board laid flat. The copper-laden etchant will sink to the bottom of the container instead of laying on top of the partly-etched board.

If you do use a plastic container, DON'T USE IT FOR ANYTHING ELSE. Soft plastics like polyetheylene (sp?) have a porous surface that can hold chemicals, even after washing. Mark your containers clearly so the kids don't try to eat cereal out of them. (My kids know what a skull-and-crossbones means. Either "This will make you sick" or "Dad's copying software again.")

Dave, WD8CIV

-----  
Date: Mon, 28 Jun 1999 17:39:27 -0400  
From: Tom Palmer <n1tp@worldnet.att.net>  
To: QRP-L <qrp-l@Lehigh.EDU>  
Subject: [43701] 5BWAS/QRP  
Message-ID: <3777EB8E.FE51C22A@worldnet.att.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

5BWAS/QRP.

Hello, everyone,

Need Louisiana on 10 meters and  
S.C. on 15 meters  
for "last 2" for my 5BWAS/QRP.

Has anyone in S.C. area heard Florida lately on 15?  
Has anyone in Louisiana area heard Florida lately on 10?

If "Yes", I'd like to know at what time UTC.

Any help will be much appreciated!

Tom, N1TP, Naples, Florida. QRP-L # 1317.

-----  
Date: Mon, 28 Jun 1999 16:13:37 -0500  
From: "Randy Jouett" <rules@bellsouth.net>  
To: <tomm@xata.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [43702] Re: Dummy Load Night - Jun29 local time  
Message-ID: <010801bec1b1\$11ae7290\$7667d6d1@spock>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

-----Original Message-----  
From: Tom Moll <tomm@xata.com>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Date: 6/28/1999 12:26 PM  
Subject: RE: Dummy Load Night - Jun29 local time

>Scott,  
>There is no such thing as a dumb question !  
>Yes, a feed line is assumed. I don't think putting it at the top  
>of a 100 foot tower, or using open wire feed line would quite be in  
>the spirit of the event though !  
>  
>:)

Hey....can we use 65-ft long light bulbs? (Ducking.) :^).

I remember my dad (W5VXQ, Louie) telling me a story  
when I was kid about talking to a Chicago ham on 20mtr  
AM using a 15-watt light bulb in the early 50's. :^).

Question. Will radials be allowed? :^) :^). Also, how about  
phased dummy loads? :^)

Hmmm. How about a distance multiplier. You know a ton  
of big-city hams (NYC, LA, Houston, etc.) are going to be  
calling their local ham buds and have a distinct advantage :^).

Another Hmmm. Why don't we just say that some ham

in Mexico City wins by default :^) :^) :^).

-----  
Date: Mon, 28 Jun 1999 17:15:49 -0500  
From: "Chuck Adams K5FO" <adams@ticnet.com>  
To: qrp-1@lehigh.edu  
Subject: [43703] QRP ARCI Archives?  
Message-ID: <E10yiaj-00080b-00@pop3.ticnet.com>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT  
Content-Transfer-Encoding: 7BIT

Someone asked the question about the state of the QQ Archives the other day. By this I assume that they meant my personal project of collecting all the issues of the Quarterly and scanning them in.

I have issues from 1979 to present. I am about complete on scanning them all in. Good news is that I'm about done. Bad news is that I'm about done... :-) No, by this I mean that there seems to be no one that has earlier editions. Red, K5VOL, sent me some issues and I still have them, but will get them back to him pretty soon. I have had to scan them about 4 or 5 times to get the quality right and even then I'm not satisfied. But at least the text is readable and schematics, but photos just can't be done right without the originals and I assume that no editor has the material in hand anymore.

We all assume that the computer, laser printers, etc. have been around a long long time. Just ain't so.

And the photos (which weren't all that well reproduced the first time) really really don't show up that well even with all the enhancement/contrast adjustments/etc.

I haven't totalled the space requirements but about 500+MB so far for the pages in .tif the way that the scanner saves them. I played with a 6x9" page the other day with 25% photo. In .tif it requires 80.5KB, .gif requires 21KB, and

.jpg requires 117KB. Haven't looked at putting everything in .gif and then HTML'ng page references so that everyone gets to use a browser to work through them and print off what they need. My current plan is to HTML links to pages, issues, etc. and leave the scanned images in .tif format. Netscape handles them just fine.

I have considered going ahead, since I have the data, and converting all the pages to .txt so that a group could really really kill off a lot of time correcting what the recognition software doesn't..... :-)

I have QRP News #1, vol 1, dated September 1961 consisting of a single page with a listing of the first 25 members of what is now QRP ARCI. And I quote:

"Send ur subscription NOW for 12 issues, \$.50 to domestic and \$1.00 for foreign members."

Those were the days of cheap stamps and cheap paper.....

So, anyone got any back issues prior to 1979? I promise not to cut them up. Really.

I took all my issues and cut them at the fold to speed up the scanning process. Of course the reprints that KI6DS did were easy to do since they were comb bound.

FYI

Chuck Adams K5FO adams@ticnet.com <http://www.qsl.net/k5fo/>

-----  
Date: Mon, 28 Jun 1999 17:18:31 -0500  
From: "Chuck Adams K5FO" <adams@ticnet.com>  
To: qrp-1@lehigh.edu  
Subject: [43704] Full Moon  
Message-ID: <E10yidL-0000d3-00@pop3.ticnet.com>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT  
Content-Transfer-Encoding: 7BIT

I can always tell when it is a full moon.

How? Just monitor QRP-L.....

: -)

P.S. My best distance with dummy load about  
2 miles in the flatlands of Midland TX.  
SSB about 25W with Collins KWM-2A Serial #300.  
August of 1961 just before leaving for the  
halls of higher education.... Heath dummy  
load of course.

Chuck Adams K5FO adams@ticnet.com <http://www.qsl.net/k5fo/>

-----  
Date: Mon, 28 Jun 1999 18:25:33 -0400  
From: "The one and only!" <mitch96@pobox.com>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [43705] FS SHURR PROFFI  
Message-ID: <3777F65D.DDCDA4EB@pobox.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Hi gang,  
selling for a freind. Pre owned, used but not abused shure proffi cw  
key. origional box. \$220 obo.

-----  
Date: Mon, 28 Jun 1999 17:44:19 +0000  
From: "Steven Weber" <kd1jv@moose.ncia.net>  
To: qrp-l@lehigh.edu  
Subject: [43706] Dummy Load night  
Message-ID: <199906282227.SAA03575@moose.ncia.net>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT  
Content-Transfer-Encoding: 7BIT

Okay, I got a question.

Can you use a regular outdoor antenna for recieving?

I just hooked up an "open frame" dummy load (6-330 ohm 2W carbon



resistors soldered between copper plates and mounted to a BNC connector) and the old FT-301 don't hear a thing, 'cept it's internal spurs. Might be able to hear someone across the street, but that would be about it. Though, I suspect this load might radiate reasonably well :-)

72,

Steve, KD1JV in the white Mountains of New Hampshire  
"melt solder"

-----  
Date: Mon, 28 Jun 1999 23:34:27 +0100  
From: "Frank G3YCC" <frank@g3ycc.karoo.co.uk>  
To: <w2bj@juno.com>, "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [43707] Re: POWER MOD FOR SIERRA  
Message-ID: <005101bec1b6\$6353d680\$b4ef5cc3@prsat0xl>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

There's a Sierra power mod on my web site (where else?!), don't know if it is the one you need though.

...

Frank G3YCC G QRP 042, G QRP Sales Officer.

QRP web page <http://www.karoo.co.uk/g3ycc/>

----- Original Message -----

From: Barry J Minsky <w2bj@juno.com>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Sent: Monday, June 28, 1999 3:52 AM

Subject: POWER MOD FOR SIERRA

> Someone posted a comment about an "output transistor and choke to  
> transformer" mod for the Sierra. If anyone has information about that  
> mod, please let me know. Thanks.  
> 72/73,  
> Barry J. Minsky, W2BJ  
> ARRL, QRP ARCI #8871, NorCal #1560, QRP-L #1543, FISTS #2701, Century  
> Club #569, Platinum #51, FISTS CW Club of Coastal Georgia, Knightlites,  
> Adventure Radio Society #359,  
> Six Club #151, QCWA #29298, OOTC #3723  
> Amateur Radio Missionary Service  
>

-----  
Date: Mon, 28 Jun 1999 16:36:29 -0600 (MDT)  
From: James P Rybak <jrybak@mesastate.edu>  
To: Chuck Adams K5FO <adams@ticnet.com>  
Cc: qrp-1@lehigh.edu  
Subject: [43708] Chuck, You're an "Elmer's Elmer"  
Message-ID: <Pine.OSF.4.10.9906281626510.21191-100000@mesa7.mesa.colorado.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Chuck,

I just wanted to compliment you about the great number of services you provide to hams. I just got done looking at your web page (again). Every time I look at it I find something more of value.

In particular (for my needs of today), your listing of the Harbor Freight punch is very helpful. I've been looking for one of those for cutting PC board pads but didn't know where to find it. It's just one of the many, many forms of help you provide. You're truly an "Elmer's Elmer."

THANKS.

73,

Jim Rybak W0KSD

-----  
Date: Mon, 28 Jun 1999 22:50:14 +0100  
From: Larry Cahoon <wd3p@juno.com>  
To: hosinsky@royac.iac.es, qrp-1@Lehigh.EDU  
Subject: [43709] Re: Dummy Load Night - Jun29 local time  
Message-ID: <19990628.225259.4030.0.wd3p@juno.com>

On Mon, 28 Jun 1999 21:00:18 +0000 Goran Hosinsky <hosinsky@royac.iac.es> writes:

>Is this event open for dx too?  
>ea8yu

When I hear you I'll work you.....Larry.....WD3P in MD

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Get the Internet just the way you want it.  
Free software, free e-mail, and free Internet access for a month!  
Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

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End of QRP-L Digest 1502

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